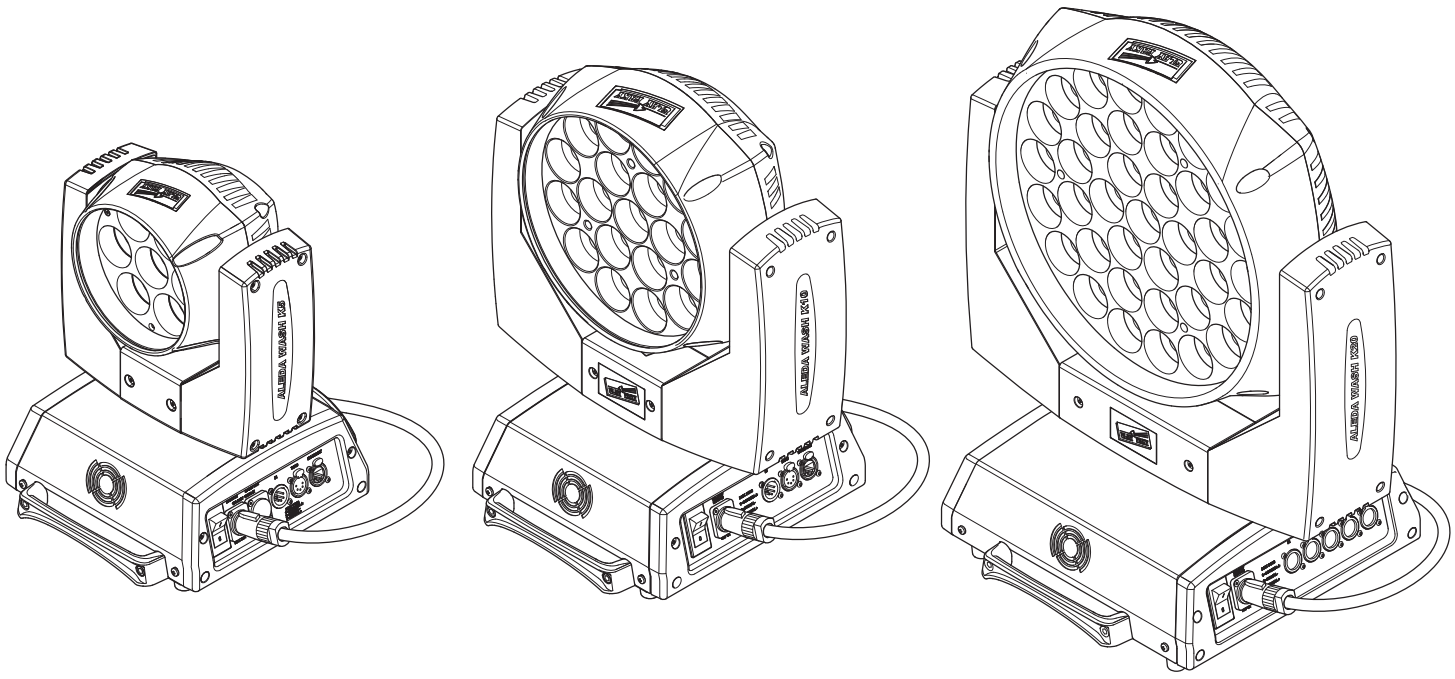
ENGLISH

www.claypaky.it

# A.LEDA WASH K5 C61401
# A.LEDA WASH K10 C61405
# A.LEDA WASH K20 C61410

## INSTRUCTION MANUAL



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*Congratulations on choosing a Clay Paky product!*
*We thank you for your custom.*
*Please note that this product, as all the others in the rich Clay Paky range, has been designed and made with total quality to ensure excellent performance and best meet your expectations and requirements.*

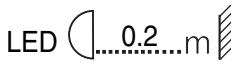
Carefully read this instruction manual in its entirety and keep it safe for future reference. It is essential to know the information and comply with the instructions given in this manual to ensure the fitting is installed, used and serviced correctly and safely.

CLAY PAKY S.p.A. disclaims all liability for damage to the fitting or to other property or persons deriving from installation, use and maintenance that have not been carried out in conformity with this instruction manual, which must always accompany the fitting.

CLAY PAKY S.p.A. reserves the right to modify the characteristics stated in this instruction manual at any time and without prior notice.

## SAFETY INFORMATION

**• Installation**
Make sure all parts for fixing the projector are in a good state of repair.
Make sure the point of anchorage is stable before positioning the projector.
The safety chain must be properly hooked onto the fitting and secured to the framework, so that, if the primary support system fails, the fitting falls as little as possible.
If the safety chain gets used, it needs to be replaced with a genuine spare.




**• Minimum distance of illuminated objects**
The projector needs to be positioned so that the objects hit by the beam of light are at least 0.20 metres (8") from the lens of the projector.

**• Minimum distance from flammable materials**
The projector must be positioned so that any flammable materials are at least 0.20 metres (8") from every point on the surface of the fitting.

**• Mounting surfaces**
It is permissible to mount the fitting on normally flammable surfaces.

$t_a$ 40°C

**• Maximum ambient temperature**
Do not operate the fixture if the ambient temperature (Ta) exceeds 40° C (104° F).

IP20

**• IP20 protection rating**
The fitting is protected against penetration by solid bodies of over 12mm (0.47") in diameter (first digit 2), but not against dripping water, rain, splashes or jets of water (second digit 0).

**• Protection against electrical shock**
Connection must be made to a power supply system fitted with efficient earthing (**Class I** appliance according to standard EN 60598-1).
It is, moreover, recommended to protect the supply lines of the projectors from indirect contact and/or shorting to earth by using appropriately sized residual current devices.

**• Connection to mains supply**
Connection to the electricity mains must be carried out by a qualified electrical installer.
Check that the mains frequency and voltage correspond to those for which the projector is designed as given on the electrical data label.
This label also gives the input power to which you need to refer to evaluate the maximum number of fittings to connect to the electricity line, in order to avoid overloading.

$t_c$ 90°C

**• Temperature of the external surface**
The maximum temperature that can be reached on the external surface of the fitting, in a thermally steady state, is 90°C (194°F).

**• Maintenance**
Before starting any maintenance work or cleaning the projector, cut off power from the mains supply.

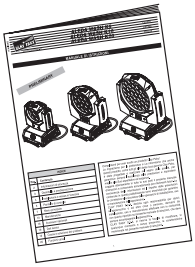
LiFePO4

**• Battery**
This product contains a rechargeable lead-acid battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force. Instructions on how to remove the battery from the product are available on **www.claypaky.it**

The products to which this manual refers comply with the European Directives pursuant to:
• 2006/95/EC - Safety of electrical equipment supplied at low voltage (LVD)
• 2004/108/EC - Electromagnetic Compatibility (EMC)
• 2011/65/EU - Restriction of the use of certain hazardous substances (RoHS)

## UNPACKING AND PREPARATION

**1**



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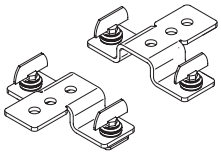

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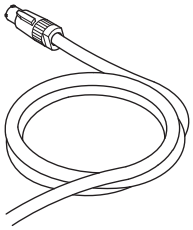
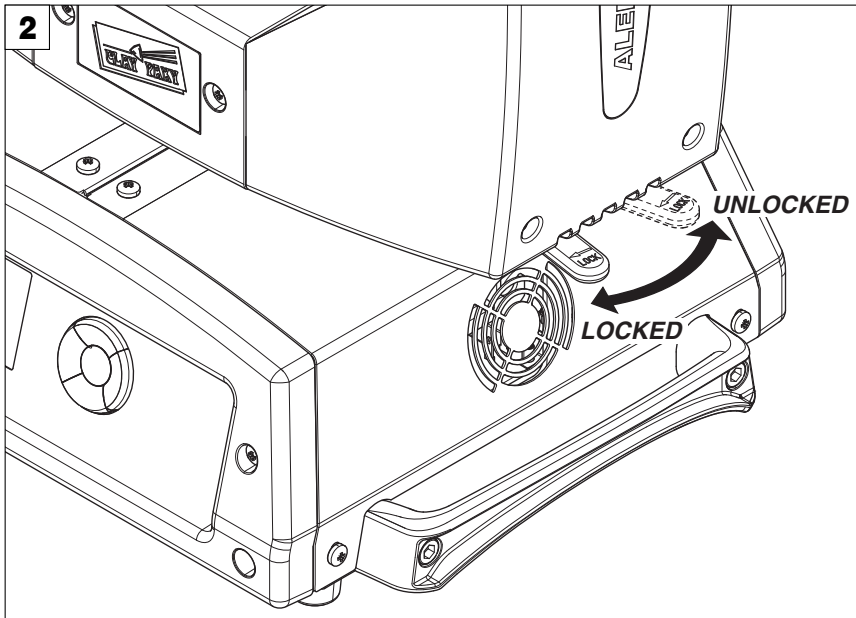
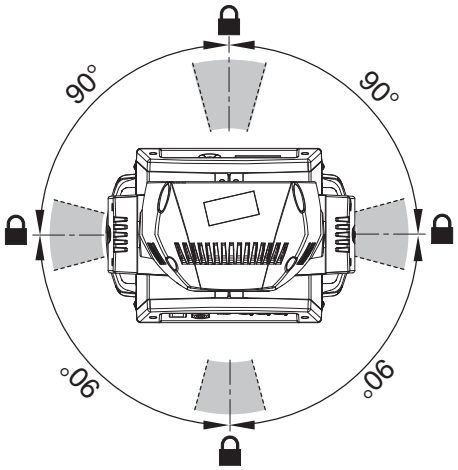


**Packing contents** - Fig. 1

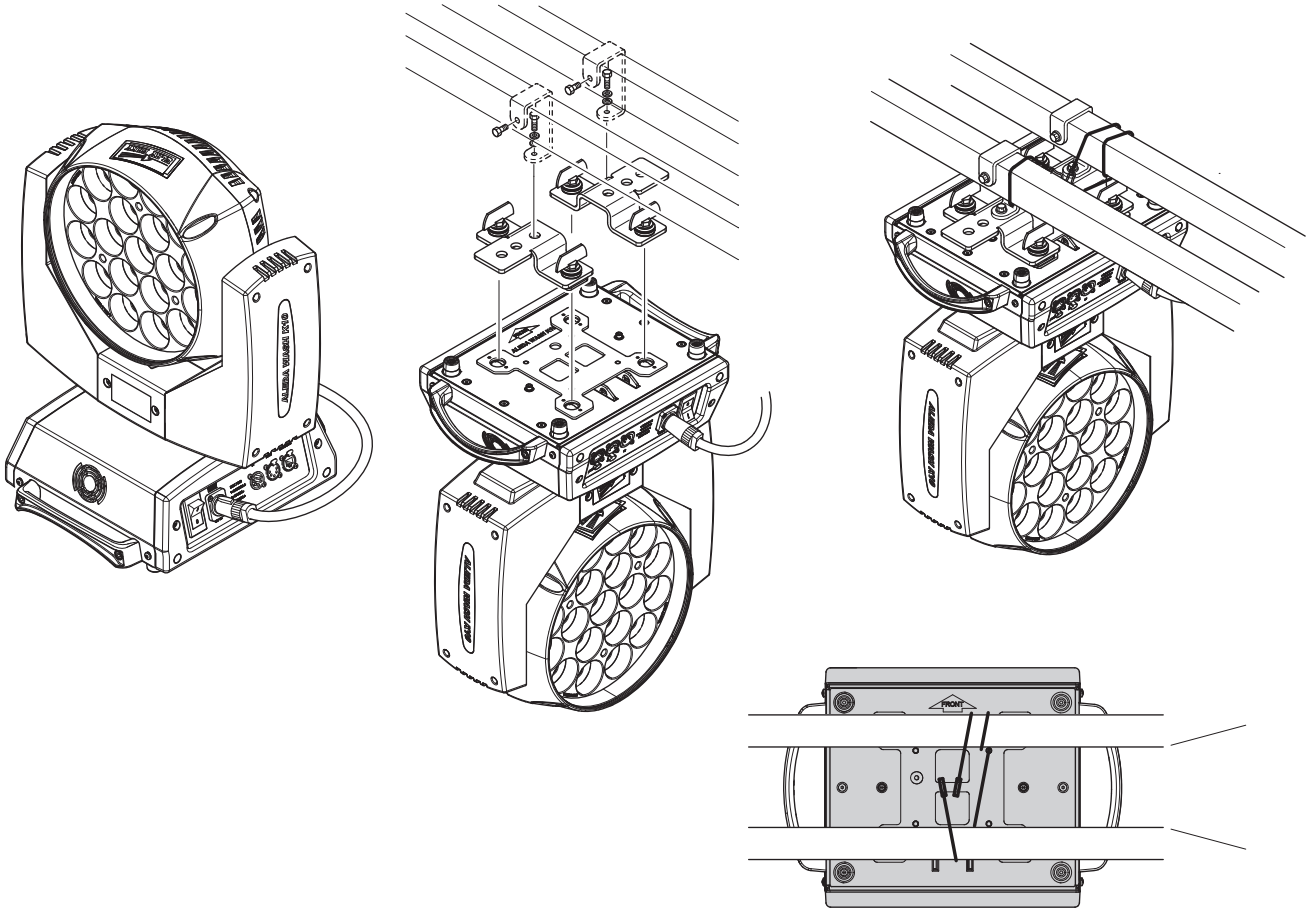
**2**



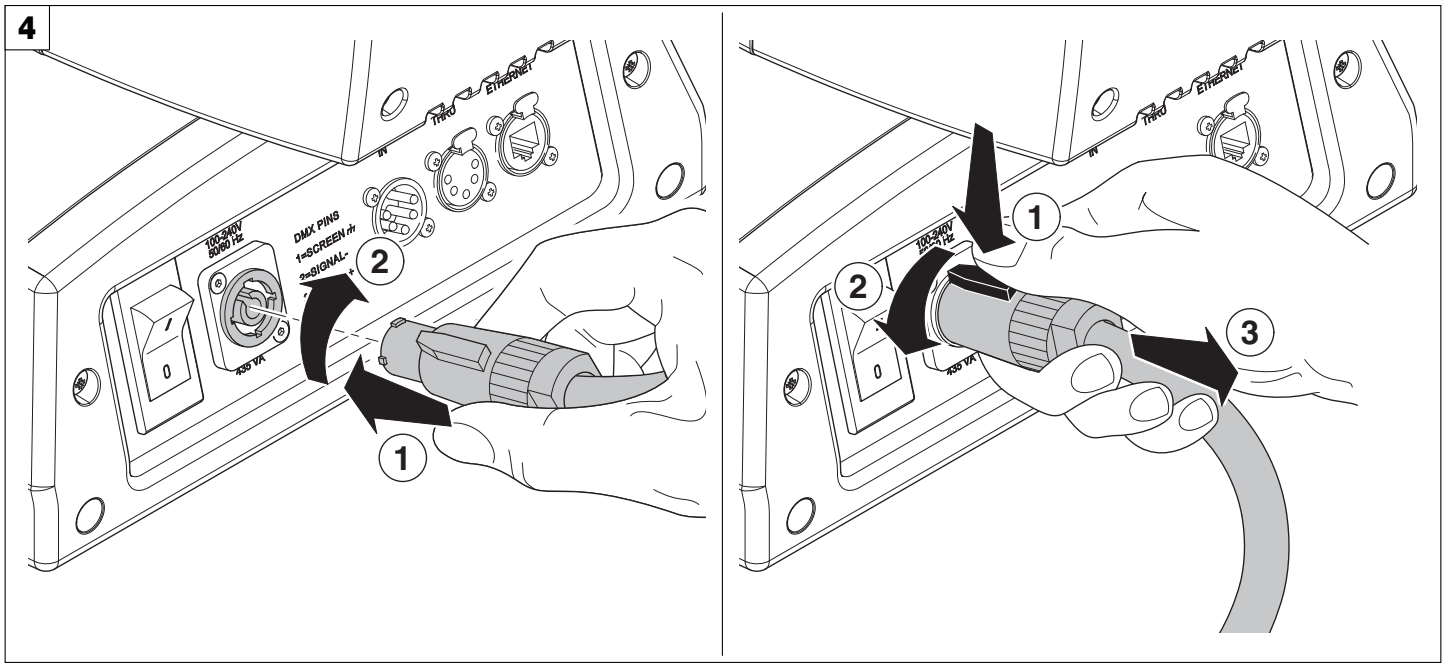

**PAN Mechanism Lock and Release (every 90°)** - Fig. 2

3



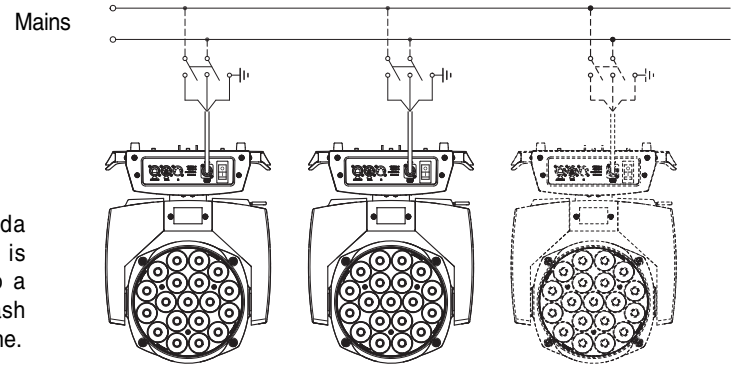

**Installing the projector** - Fig. 3
The projector can be installed on the floor resting on special rubber feet, on a truss or on the ceiling or wall.
**WARNING:** ***with the exception of when the projector is positioned on the floor, the safety cable must be fitted. (Cod. 105041/003 available on request). This must be securely fixed to the support structure of the projector and then connected to the fixing point at the centre of the base.***

4




**Connecting and disconnecting power cable** - Fig. 4

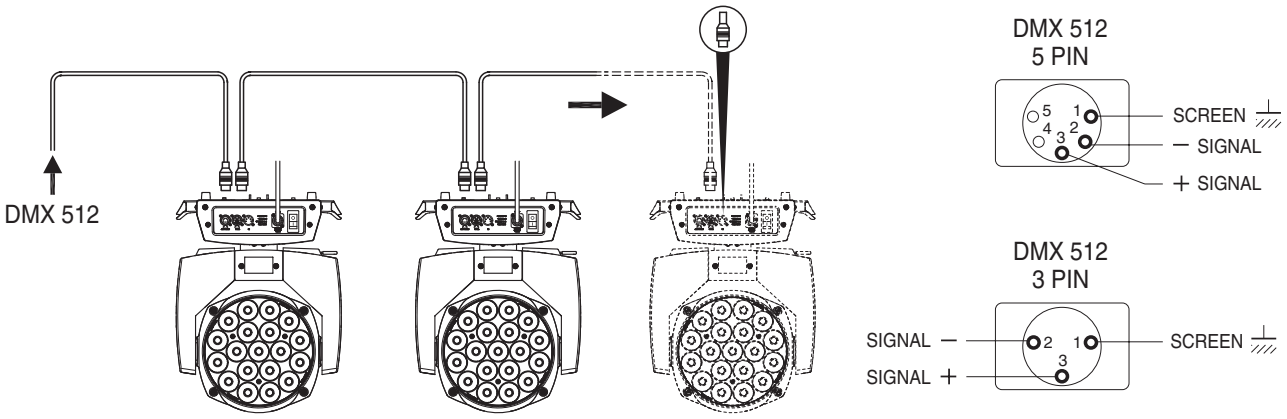
**5**




**NB:** connecting one “A.leda Wash K5” to the mains, it is possible to connect up to a maximum of 11 “A.leda Wash K5” in parallel at the same time.

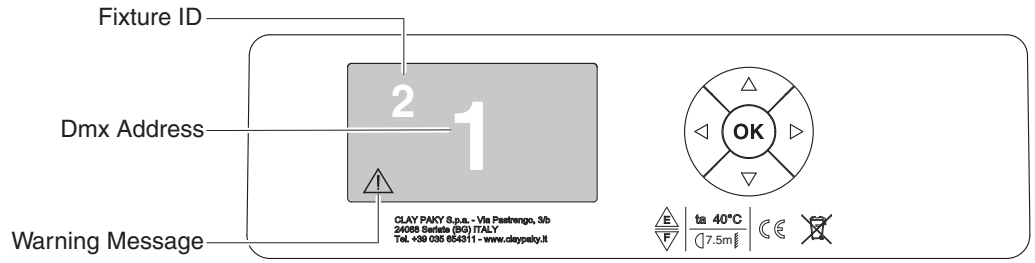
**Connecting to the mains supply** - Fig. 5

**6**




**Connecting to the control signal line (DMX)** - Fig. 6
Use a cable conforming to specifications EIA RS-485: 2-pole twisted, shielded, 120Ohm characteristic impedance, 22-24 AWG, low capacity. Do not use microphone cable or other cable with characteristics differing from those specified. The end connections must be made using XLR type 3 or 5-pin male/female connectors. A terminating plug must be inserted into the last projector with a resistance of 120Ohm (minimum 1/4 W) between terminals 2 and 3.
**IMPORTANT:** The wires must not make contact with each other or with the metal casing of the connectors. The casing itself must be connected to the shield braid and to pin 1 of the connectors.

**7**



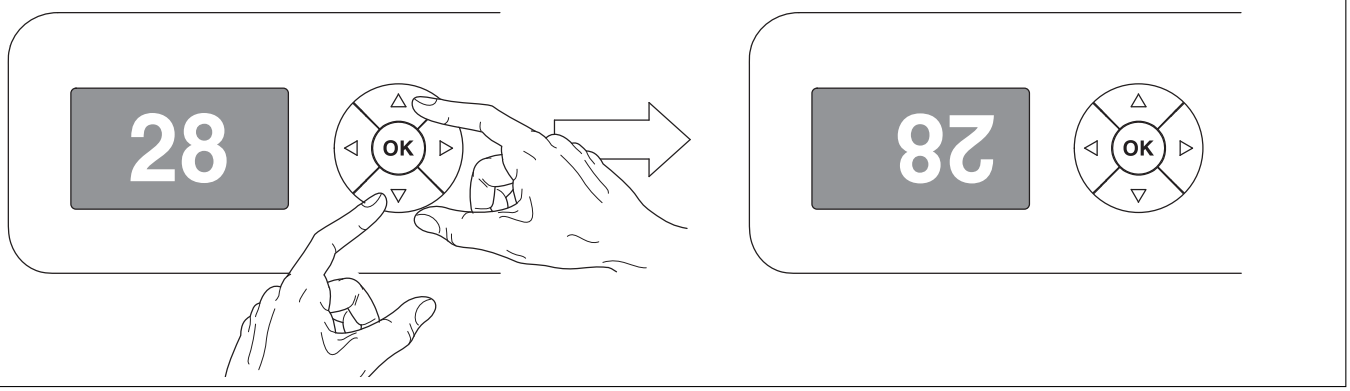

**Switching on the projector** - Fig. 7
Press the switch. The projector starts resetting the effects. At the same time, the following information scrolls on the display:

| | | | | |
|---|---|---|---|---|
| CLAY PAKY | **Model**<br>**A.leda Wash** | **Firmware**<br>**Version X.X.X**<br>**Date - Hour** | **xxx (Fixture ID)**<br>**Dmx Address xxx** | **System errors**<br>**E: .....**<br>**W: ..... |

On conclusion of resetting in case of absence of the dmx signal, Pan and Tilt move to the “Home” position (Pan 50% - Tilt 50%). The control panel (Fig. 7) has a display and buttons for the complete programming and management of the projector menu. The display can be in one of two conditions: rest status and setting status. When it is in the rest status, the display shows the projector’s DMX address and the Fixture ID address (if set).
During menu setting status, after a wait time (about 30 seconds) without any key having been pressed, the display automatically returns to rest status. It should be noted than when this condition occurs, any possible value that has been modified but not yet confirmed with the OK key will be cancelled.

*Continue* →

**8**




**Reversal of the display** - Fig. 8

To activate this function, press UP ⊕ and DOWN ⊖ keys simultaneously while the display is in the rest mode. This status will be memorised and maintained even for the next time it will be switched on. To return to the initial state, repeat the operation all over again.

**Setting the projector starting address**

On each projector, the starting address must be set for the control signal (addresses from 1 to 512).

The address can also be set with the projector switched off.

Setting the address: see pag. 8.

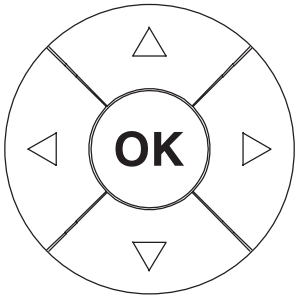
**Setting the projector Fixture ID**

On each projector, the Fixture ID address must be set for an easy identification of the fixtures in an installation (ID from 1 to 255).

The Fixture ID address can be set with the projector switched off.

Setting the Fixture ID: see pag. 8.

## Functions of the buttons - Using the menu




| | |
|---|---|
| OK | Confirms the displayed value, or activates the displayed function, or enters the successive menu. |
| DOWN | Decreases the value displayed (with auto-repetitions) or passes to the next item in the menu. |
| UP | Increases the value displayed (with auto-repetitions) or passes to the previous item in a menu. |
| LEFT | Return to the top level. |
| RIGHT | Commute from units, tens, hundreds, in the "Address", "Fixture ID" and "Calibration" menù. |

**USING THE MENU:**

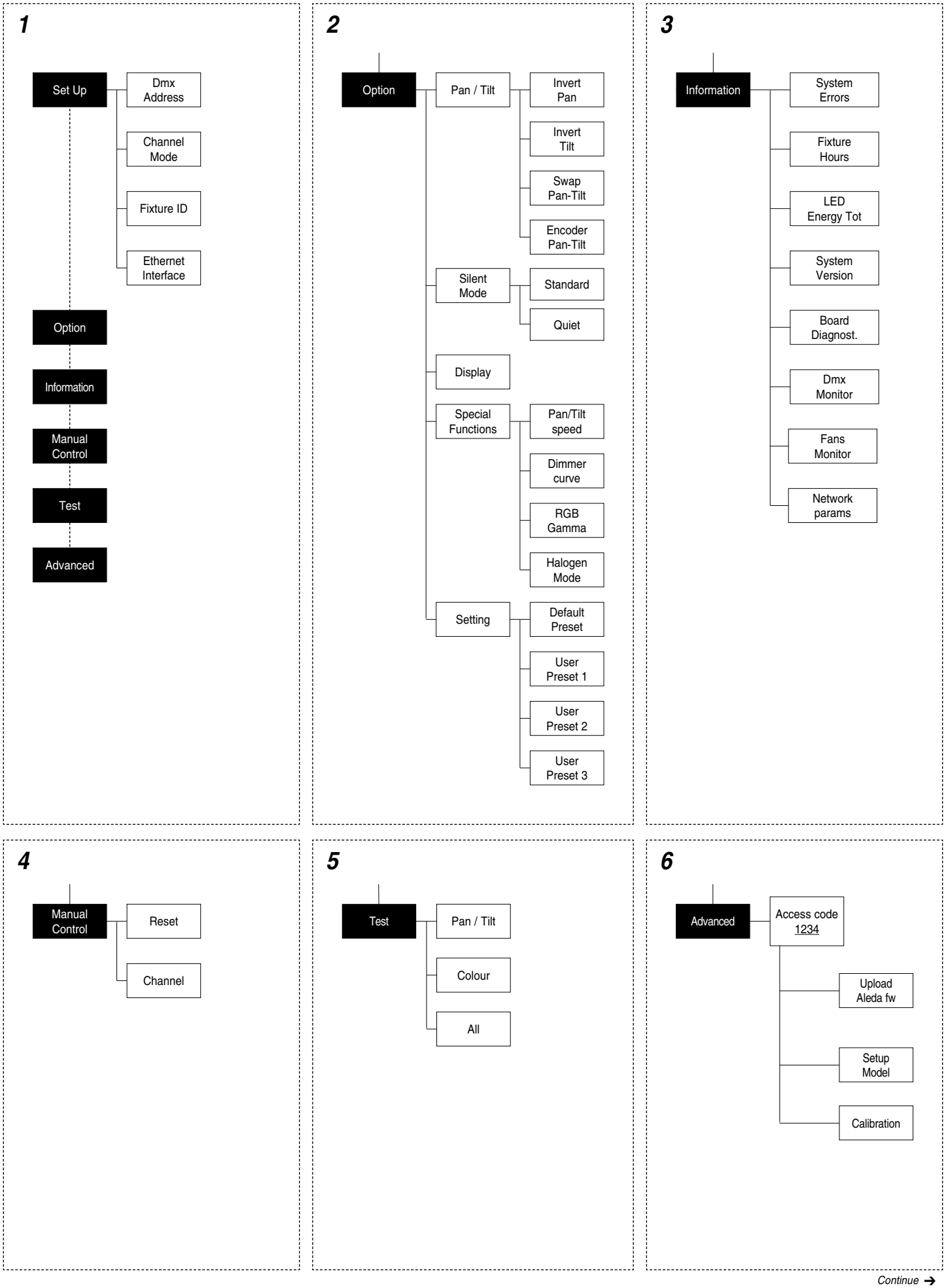
1) Press OK once – “Main Menu” appears on the display.
2) Use the UP ⊕ and DOWN ⊖ keys to select the menu to be used:
   - Setup (Setup Menu): To set the setting options.
   - Option (Option Menu): To set the operating options
   - Informations (Informations Menu): To read the counters, software version and other information.
   - Manual Control (Manual control Menu): To trigger the test and manual control functions.
   - Test (Test Menu): To check the proper functionning of effects
   - Advanced (Advanced Menu): Access to the "Advanced menu" is recommended for a trained technical personnel.

   To enable the "Advanced" see pag.13
3) Press OK to display the first item in the selected menu.
4) Use the UP ⊕ and DOWN ⊖ keys to select the MENU items.

**Setting addresses and options with the projector disconnected**

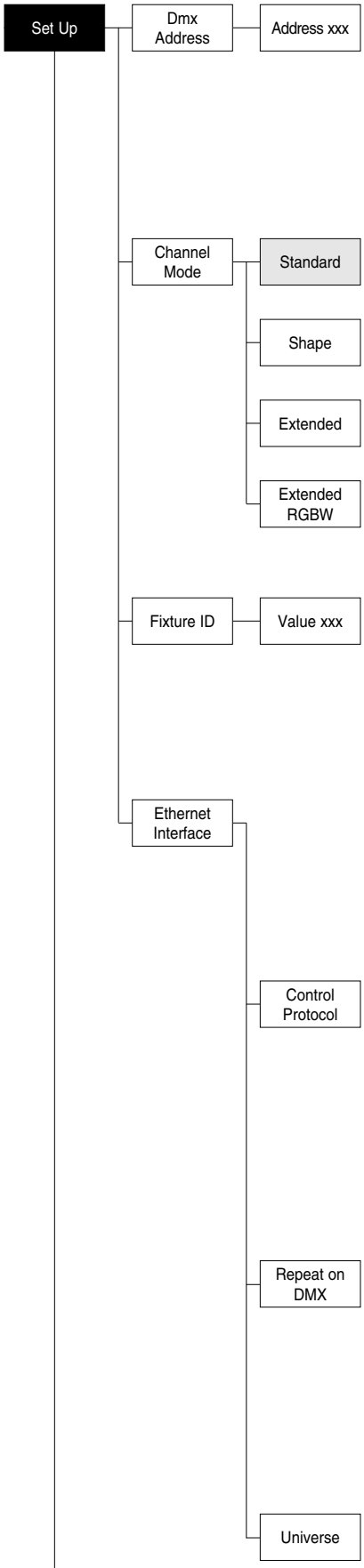
The projector’s DMX address, as well as other possible operating options, can also be set when the appliance is disconnected from the electricity supply. All that is needed is to press OK to momentarily activate the display and thus access the settings. Once the required operations have been carried out, the display will switch off again after a wait time of 30 seconds.

# MENU SETTING




*Continue* →

**NOTE: On grey the default options**




# SET UP MENU

## DMX ADDRESS

**NOTE: without the DMX signal the Address (XXX) flashing**

Allows you to select the DMX ADDRESS.

1) Press (OK) - the current DMX Adress appear on the display.
2) Use the UP (▲) and DOWN (▼), RIGHT (▶) keys to plan the DMX Address.
3) Press (OK) to confirm the selection or LEFT (◀) to keep current settings.

## CHANNEL MODE

Allows you to select a channel arrangement from the two available.

1) Press (OK) - the current settings appear on the display (Standard or Vector).
2) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:
   - **Standard**
   - **Shape**
   - **Extended**
   - **Extended RGBW**
3) Press (OK) to confirm the selection or LEFT (◀) to keep current settings.

## FIXTURE ID

Allows you to select the FIXTURE ID.

1) Press (OK) - the current Fixture ID appear on the display.
2) Use the UP (▲), DOWN (▼), RIGHT (▶) keys to plan the Fixture ID.
3) Press (OK) to confirm the selection or LEFT (◀) to keep current settings.

## ETHERNET INTERFACE

It lets you set the Ethernet settings to be attributed to the projector.

1) Premere (OK).
2) Use the UP (▲) and DOWN (▼) keys to select the “Ethernet Interface” options to set:

### Control Protocol

It lets you select the “Control Protocol” Art-net to assign according to the control unit used:

1) Press (OK) the current setting appears on the display.
2) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:
   - **Disabled**
   - **Art-net on IP 2**
   - **Art-net on IP 10**
3) Press (OK) to confirm the selection or LEFT (◀) to keep the current setting.

### Repeat on DMX

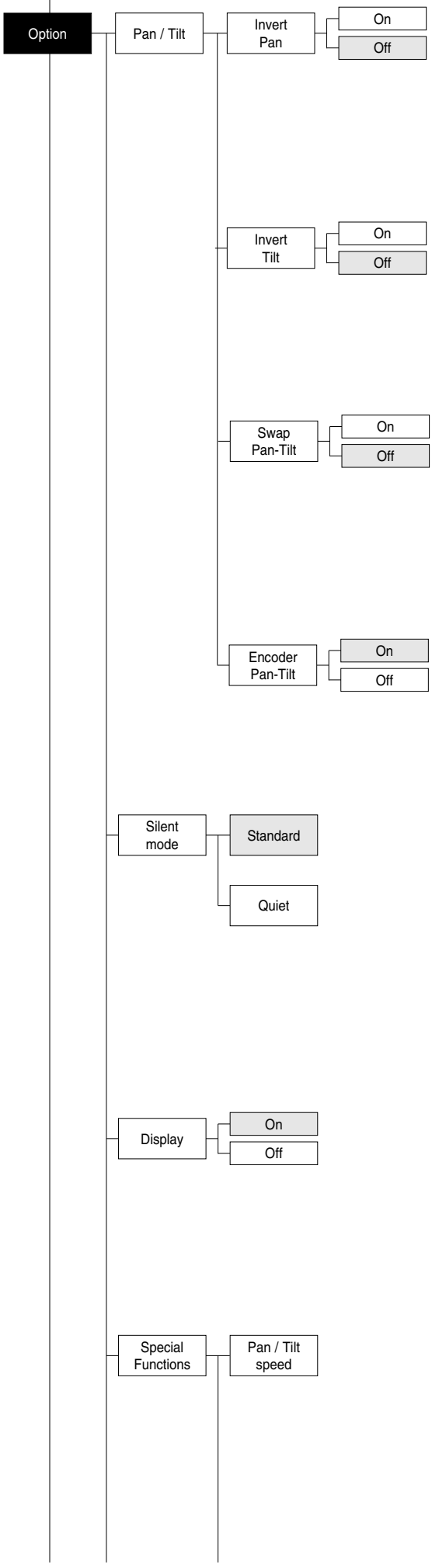
It lets you enable the transmission of the Ethernet protocol by DMX signal to all the connected projectors.

1) Press (OK) the current setting appears on the display.
2) Use the UP (▲) and DOWN (▼) keys to select one of the following settings:
   - **Disabled:** DMX transmission disabled.
   - **Enabled on primary:** DMX transmission enabled.
3) Press (OK) to confirm the selection or LEFT (◀) to keep the current setting.

### Universe

It lets you assign the “Universe” number to be assigned to a series of projectors.

1) Press (OK) – the current Universe address appears on the display.
2) Use the UP (▲), DOWN (▼), RIGHT (▶) keys to set the Universe address.
3) Press (OK) to confirm the selection or LEFT (◀) to keep the current setting.




# OPTIONS MENU

## PAN / TILT

### Invert pan

Used for reversing Pan movement.

1) Press OK - the current settings appear on the display (On or Off).
2) Use the UP ▲ and DOWN ▼ keys to enable (On) or disable (Off) PAN inversion.
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

### Invert tilt

Used for reversing tilt movement.

1) Press OK - the current settings appear on the display (On or Off).
2) Use the UP ▲ and DOWN ▼ keys to enable (On) or disable (Off) Tilt inversion.
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

### Swap Pan-Tilt

Used for swapping Pan and Tilt channels (as well as Pan fine and Tilt fine).

1) Press OK - the current settings appear on the display (On or Off).
2) Use the UP ▲ and DOWN ▼ keys to enable (On) or disable (Off) Pan and Tilt channel swap.
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

### Encoder Pan-Tilt

Used for enabling the Pan / Tilt encoders.

1) Press OK - the current settings appear on the display (On or Off).
2) Use the UP ▲ and DOWN ▼ keys to enable (On) or disable (Off) Pan / Tilt encoders.
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

## SILENT MODE

It lets you select the “Silent Mode” from the two available.

1) Press OK the current setting appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following settings:
   **Standard:** Maximum speed and consequently maximum effects noise level.
   **Quiet:** reduces the speed of some effects, thereby reducing their noise level.
3) Press OK to confirm the selection or LEFT ◀ to keep the current setting.

## DISPLAY

Used for automatically reduce brightness on the display after about 30 seconds in idle.

1) Press OK - the current settings appear on the display (On or Off).
2) Use the UP ▲ and DOWN ▼ keys to enable (On) or disable (Off) the decreasing of display brightness.
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

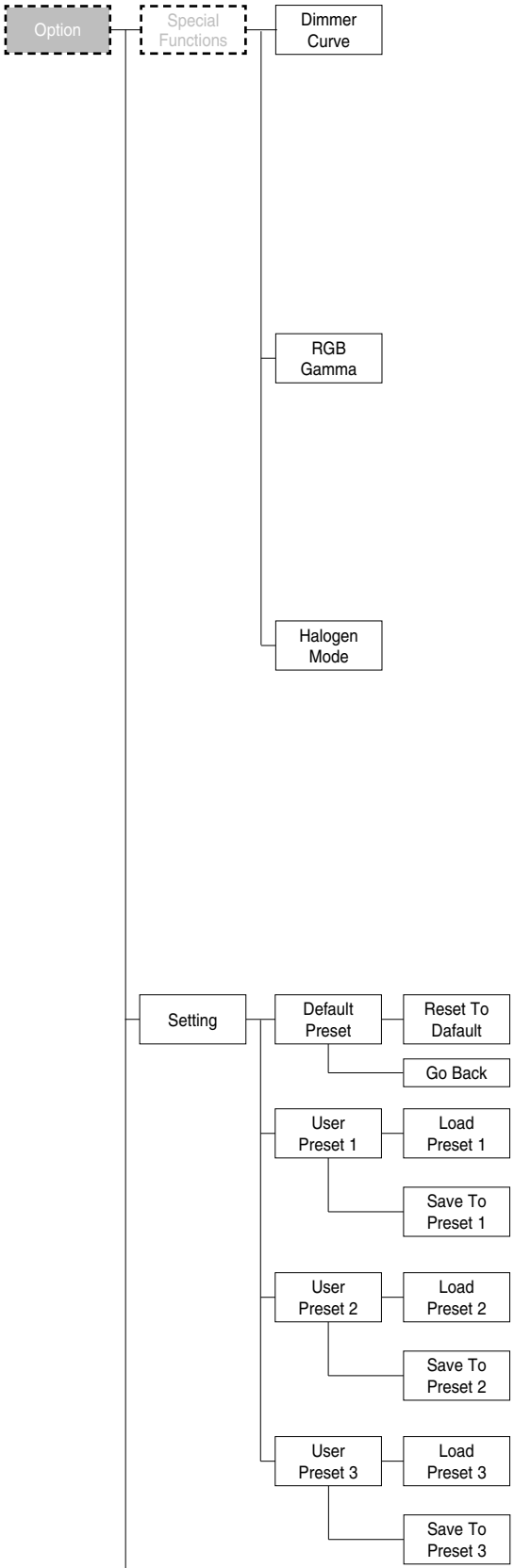
## SPECIAL FUNCTIONS

### Pan / Tilt speed

Lets you select two different Pan and Tilt speeds.

1) Press OK - the current setting appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following settings:
   **- Normal**
   **- Fast**
3) Press OK to confirm the selection or LEFT ◀ to keep current settings.

*Continue* ➔




**Dimmer Curve**

Lets you select four different Dimmer channel curves.

1) Press (OK) - the current setting appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following settings:
   - **Curve 1**
   - **Curve 2**
   - **Curve 3**
   - **Curve 4**
3) Press (OK) to confirm the selection or LEFT ◀ to keep current settings.

**RGB Gamma**

Lets you select three different RGBW gamma curves.

1) Press (OK) - the current setting appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following settings:
   - **Gamma 1.0**
   - **Gamma 1.5**
   - **Gamma 2.0**
3) Press (OK) to confirm the selection or LEFT ◀ to keep current settings.

**Halogen Mode**

Lets you select five different halogen lamp simulations.

1) Press (OK) - the current setting appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following settings:
   - **Halogen OFF**
   - **Halogen Lamp 1**
   - **Halogen Lamp 2**
   - **Halogen Lamp 3**
   - **Halogen Lamp 4**
   - **Halogen Lamp 5**
3) Press (OK) to confirm the selection or LEFT ◀ to keep current settings.

**SETTING**

Used to save 3 different settings of the items in the options menu and relative submenus.

1) Press (OK) - “Default preset” appears on the display.
2) Use the UP ▲ and DOWN ▼ keys to select one of the following configurations:
   - Default preset (*)
   - User preset 1
   - User preset 2
   - User Preset 3
3) Press (OK) - “Load preset X” appears on the display.
4) Use the UP ▲ and DOWN ▼ keys to select:
   - Load preset X to recall a previously stored configuration.
   - Save to preset X to store the current configuration.

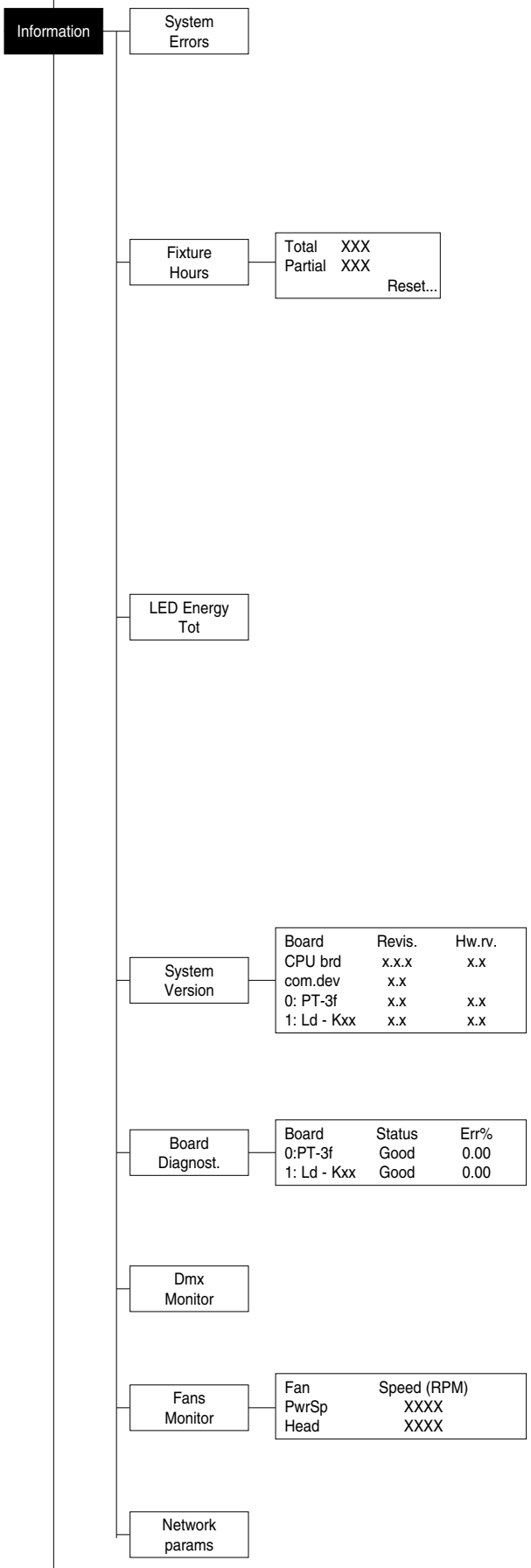
   a confirmation message (Are you sure?) appears on the display.
5) Select YES to confirm the selection or NO to keep the current setting and return to the next higher level.

(*) DEFAULT PRESET

Used for restoring default values on all options menu items and relevant submenus.

1) Press (OK), a confirmation message (Are you sure?) appears on the display.
2) Select YES to confirm the selction or NO to keep current setting.

| OPTION | DEFAULT |
|---|---|
| Invert Pan | Off |
| Invert Tilt | Off |
| Swap Pan-Tilt | Off |
| Encoder Pan-Tilt | On |
| Display | On |
| Silent Mode | Standard |
| P/T Speed | Fast |
| Dimmer Curve | Curve 1 |
| RGB Gamma | Gamma 1.5 |
| Halogen Mode | Halogen Off |




# INFORMATION MENU

## SYSTEM ERRORS

Shows a list of warnings and messages relevant to errors occurred since the fixtures switching-on.

1) Pressing (OK) you are allowed to reset the SYSTEM ERRORS list. A confirmation message (Are you sure you want to clear error list ?) appears on the display.
2) Select YES to reset the list or NO to go back.

## FIXTURE HOURS

Used for displaying projector operating hours (total and partial).

1) Press (OK) - Hours total and partial appears on the display.
   **Total counter**
   Counts the number of projector working life hours (from manufacture to date).
   **Partial counter**
   Counts the number of partial projector working life hours since the last reset to date.
2) Press (OK) to reset partial projector working hours a confirmation message (Are you sure?) appears on the display.
3) Select YES to reset partial projectors counter or NO to keep the current setting and return to the top menu level.

## LED ENERGY TOT

Lets you view total LED working hours.

1) Press (OK) - to display total and partial Watts/hour:
   **Total**
   Total LED working hours from construction to date.
   **Partial**
   LED working hours from last reset to date.
2) Press (OK) to reset the partial counter. A confirmation appears on the screen (Are you sure?)
3) Select YES to reset the partial counter or NO to keep the current setting and open the next menu level.

## SYSTEM VERSION

Used for displaying the software and hardware version of each board installed in the projector.
CPU brd (CPU board)
0: PT-3f (Scheda Pan / Tilt)
1: Ld - Kxx (Scheda LED)

## BOARD DIAGNOSTIC

Used for displaying the status error of each board installed in the projector:
0: PT-3f (Scheda Pan / Tilt)
1: Ld - Kxx (Scheda LED)

## DMX MONITOR

Used for displaying the projector DMX channel level in bit (Val) and in percentage (Perc).

## FANS MONITOR

Used for displaying the speed of each fan installed in the projector:
PwrSp (fan PSU)
Head (fan head)

## NETWORK PARAMS

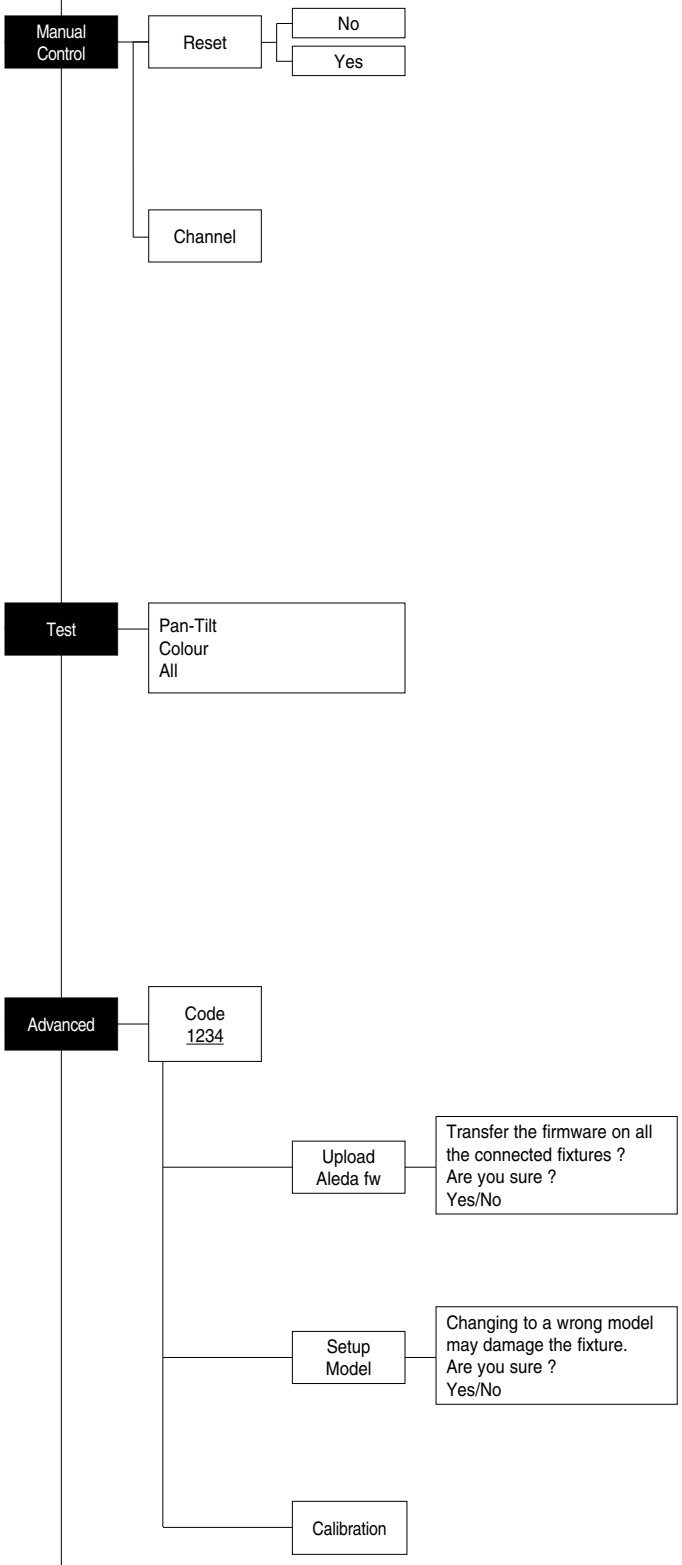
Allows the "Network" parameters of the projector to be displayed or:

**IP address:** Internet Protocol address (two projectors must not have the same IP address)

**IP mask: 255.0.0.0**

**Mac address:** Media Access Control: the projector's Ethernet Address.


*Continue* ➔




## MANUAL CONTROL

### RESET

Used for resetting the projector.

1) Press (OK) to reset the projectors, a confirmation message (Are you sure ?) appears on the display.
2) Select YES to starting reset the fixture or NO to keep the current setting and return to the top menu level.

### CHANNEL

Used for setting channel levels from the projector control panel.

1) Press (OK) - the first channel appears on the display.
2) Use the UP (▲) and DOWN (▼) keys to select the required channel:
3) Press (OK) and use the UP (▲) and DOWN (▼) keys to select the required DMX level (value between 0 and 255).
4) Press LEFT (◀) to return to the top menu level.

## TEST MENU

### TEST

Allows you to check the proper functioning of effects.

1) Press (OK) to return to the top menu level.
2) Use the UP (▲) and DOWN (▼) keys to select the required test.
3) Press (OK) to confirm the selection or LEFT (◀) to keep current settings.

Test sequence:

Pan - Tilt effects (Pan & Tilt)

Colour effects (CMY / CTO / Colour wheel)

All effects

## ADVANCED MENU

To enable the "Advanced Menu" set up the "Access code" (1234) using the UP (▲), DOWN (▼), RIGHT (▶) keys.

Press (OK) - "Menu advanced" appears on the display

### UP LOAD FIRMWARE

Allows you to transfer the firmware from 1 fixture to all the connected fixtures.

1) Press (OK) , a confirmation message appears on the display.
2) Select YES to start the firmware loading or NO to keep the current setting and return to the top menu level

### SETUP MODEL

Allows you to change the default model of projector.

1) Press (OK) a confirmation message appears on the display.
2) Select YES to define the model of projector or NO to keep the current setting and return to the top menu level.

### CALIBRATION

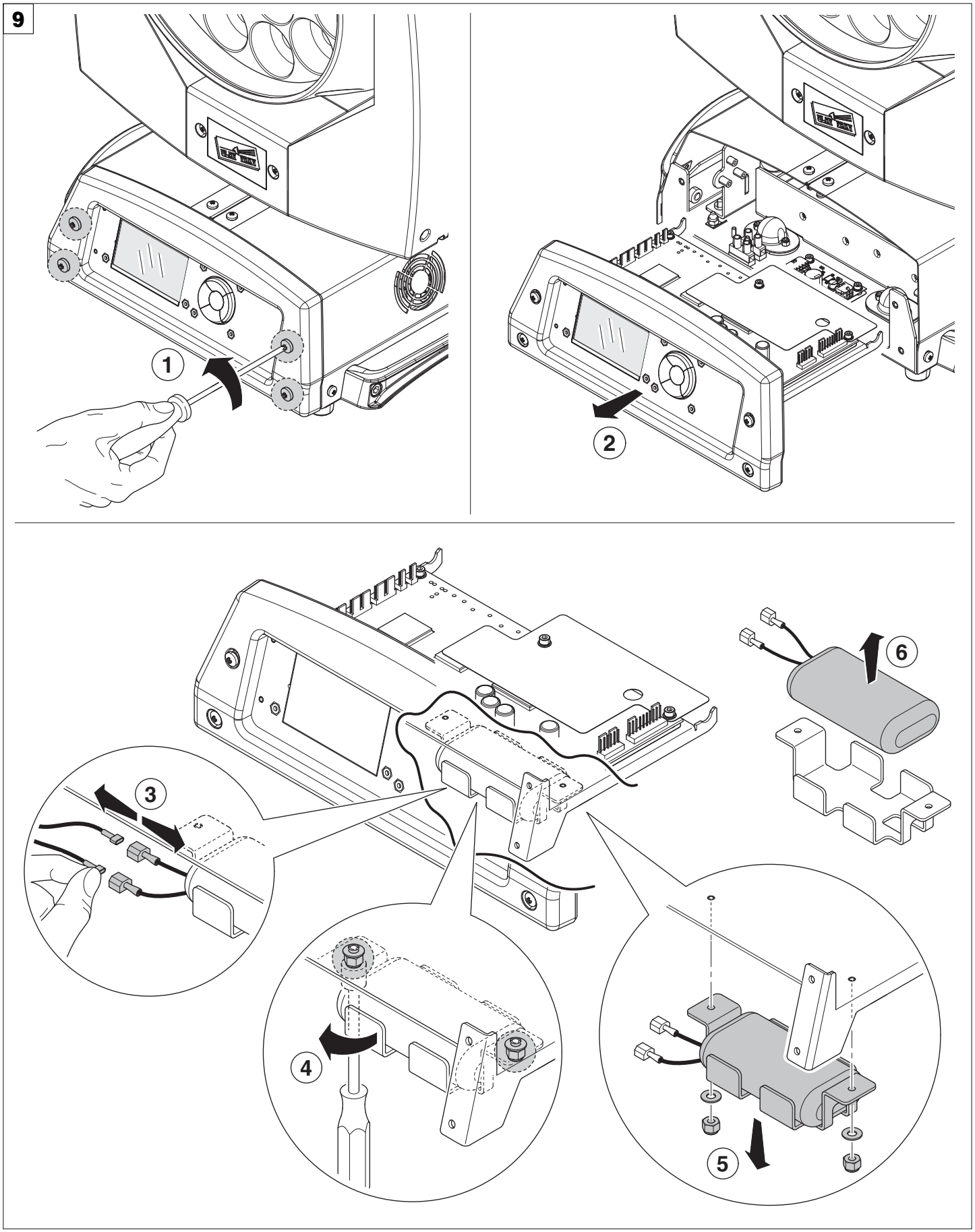
Allows you to adjust effects from the control panel to obtain perfect uniformity between the projectors.

1) Press (OK) - “channels” appears on the display.
2) Using the UP (▲) and DOWN (▼) keys, select the effect you wish to regulate.
3) Press (OK) and use the RIGHT (▶), UP (▲) and DOWN (▼) buttons to make the adjustment by setting a value between 0 and 255.
4) Press (OK) to confirm the selection or LEFT (◀) to keep current settings and return to the top level.

### FACTORY DEFAULT

Allows you to restore default values of all channels (128).

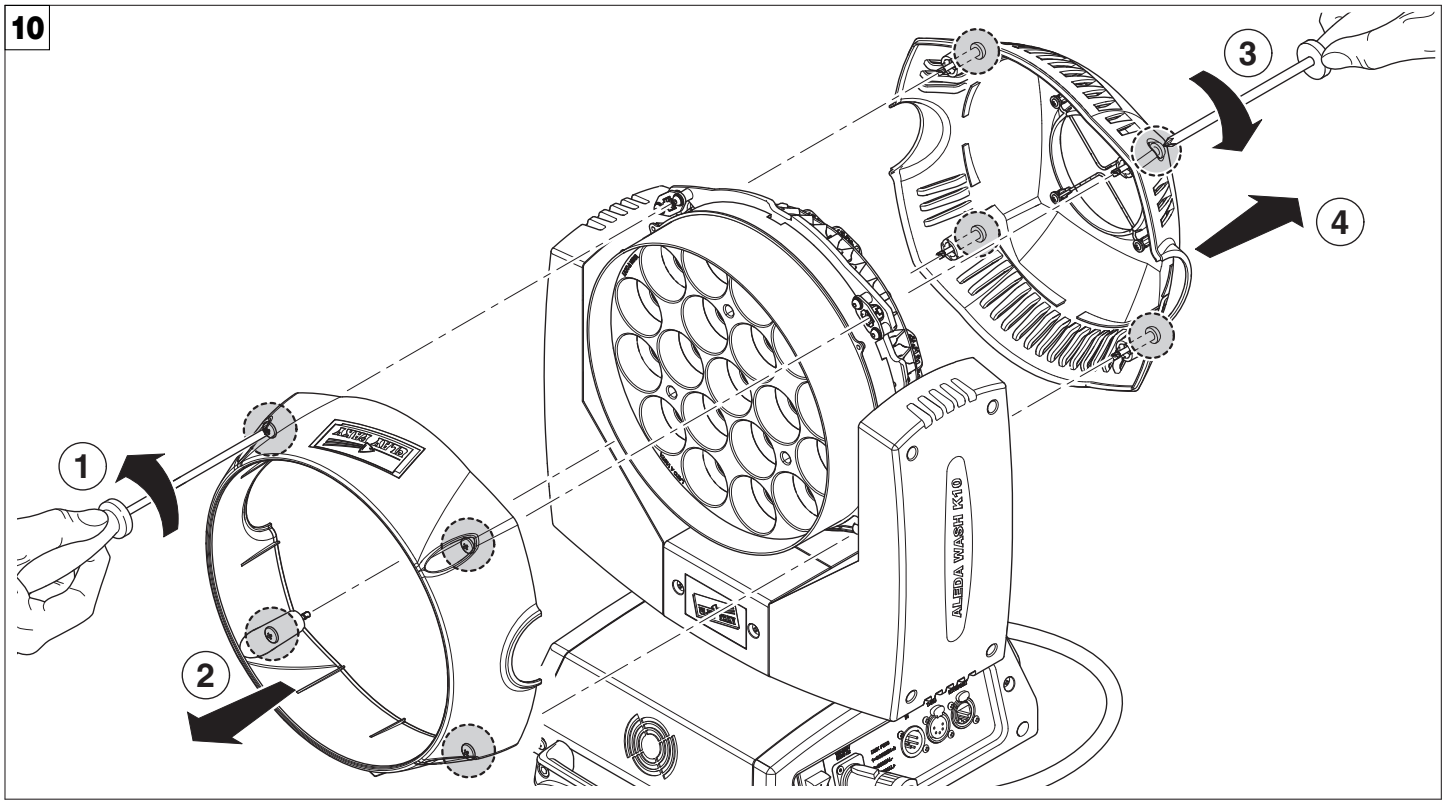
1) Press (OK) – a confirmation message appears on the display (Reset calibration to factory default ?).
2) Select YES to reset calibration to factory default or NO to keep the current setting and return to the top menu level.



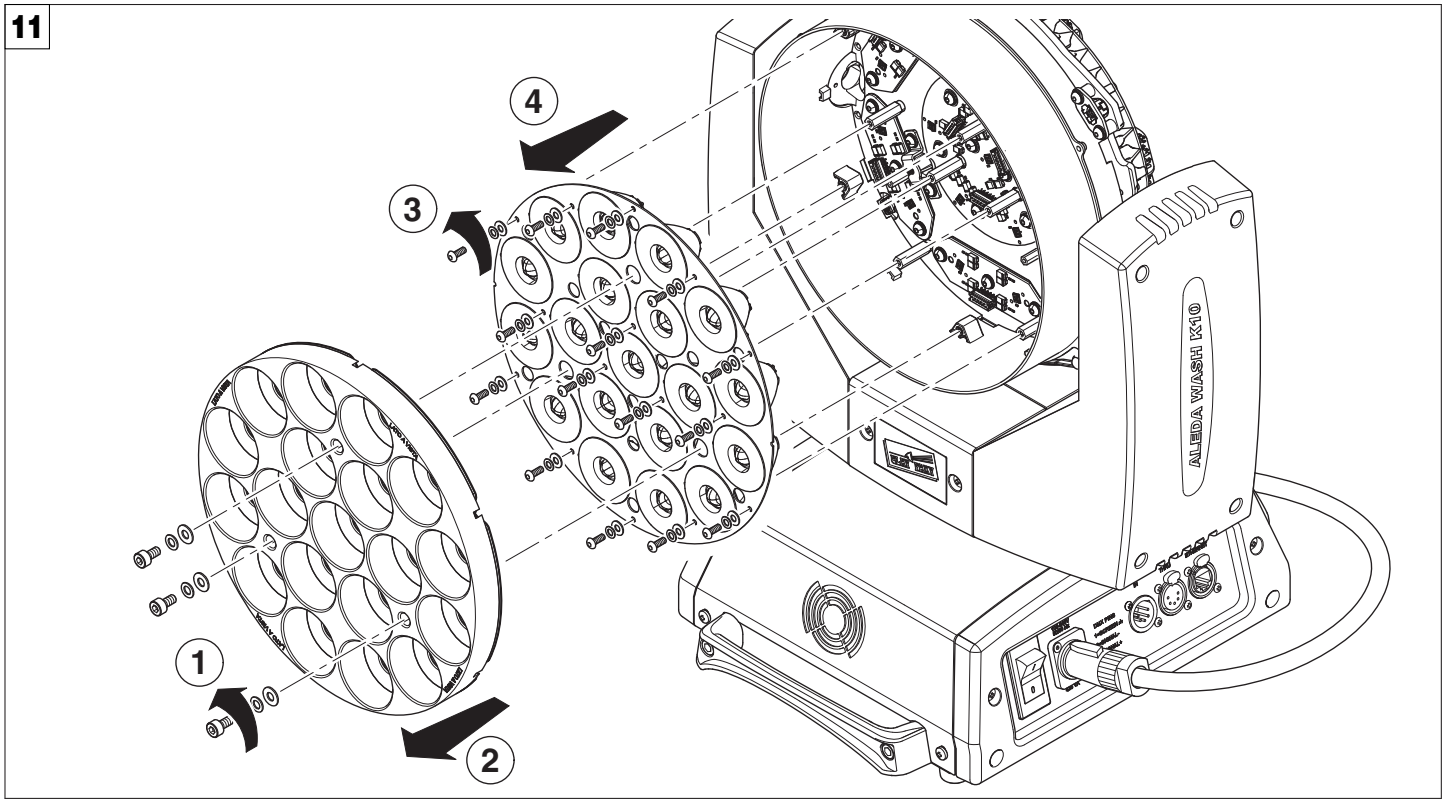

**Battery removal** - Fig. 9

This product contains a rechargeable lead-acid battery. To preserve the environment, please dispose the battery at the end of its life according to the regulation in force.

LiFePO4

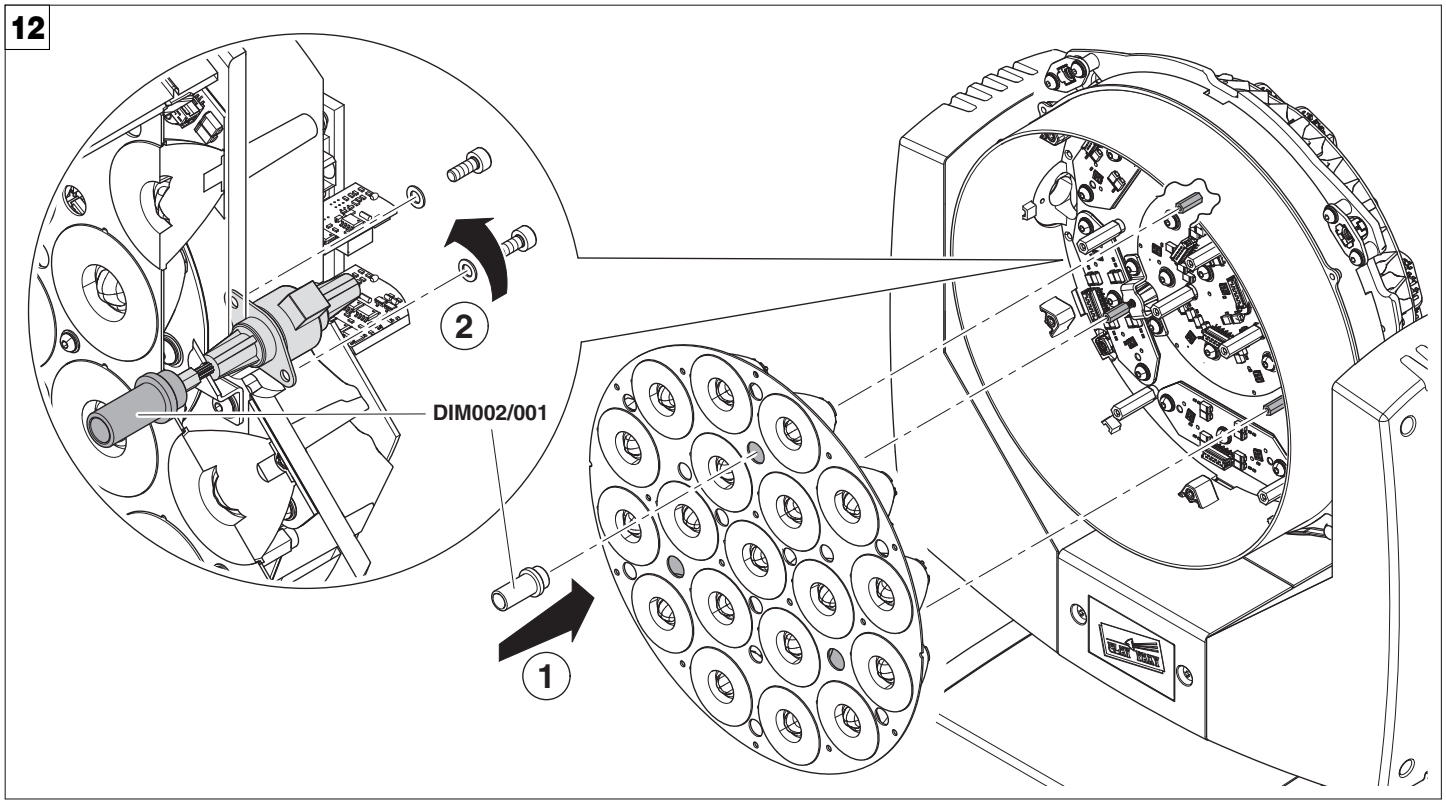



**Opening the covers** - Fig. 10




**Removing/Assembling the lens unit** - Fig. 11

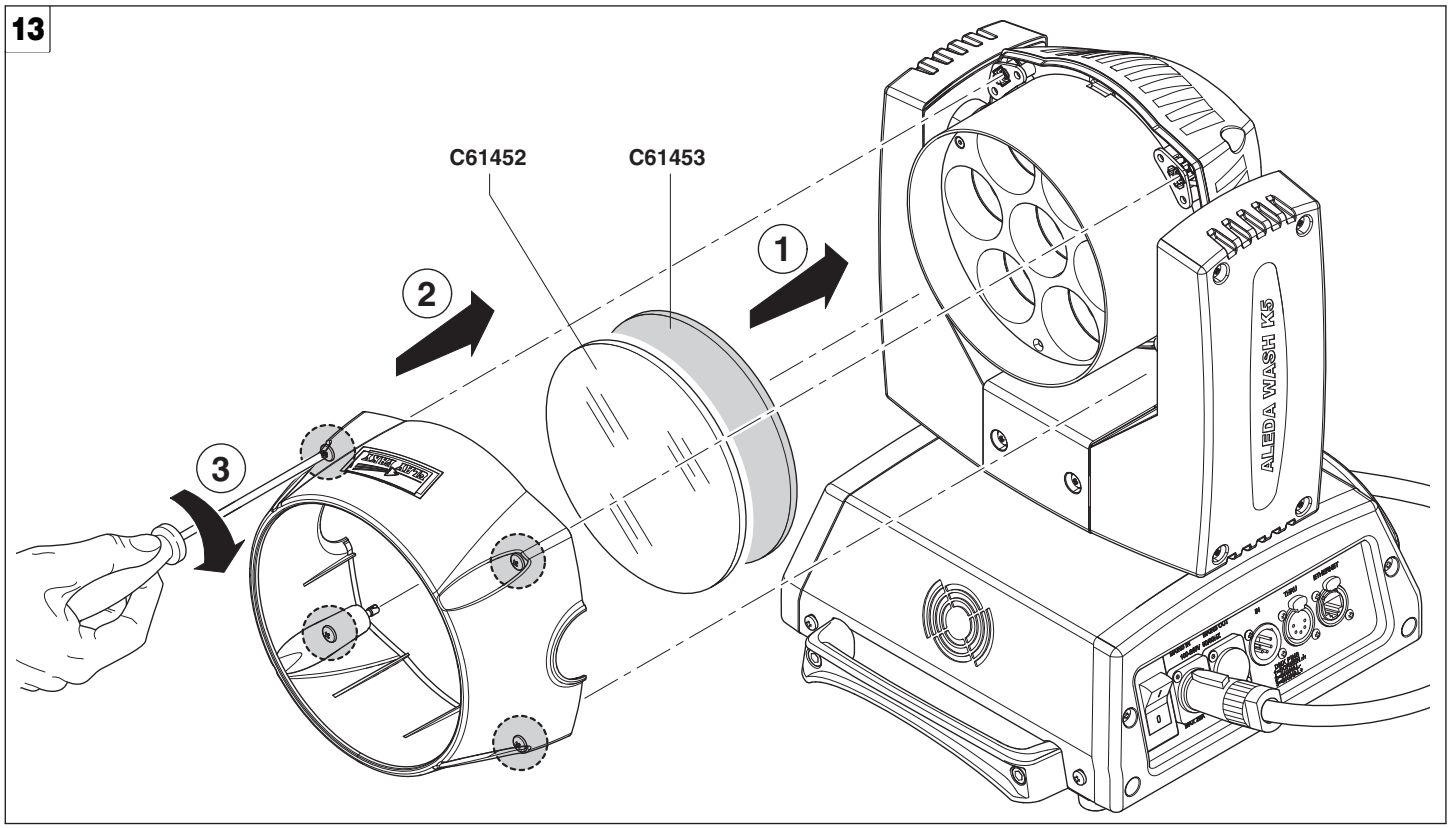
**NB:** Apply Loctite 222 (p/n COL002) to the threads of the 3 screws (1) before tightening them. A torque of 0.3N is recommended in order to avoid damaging the zoom movement actuators.



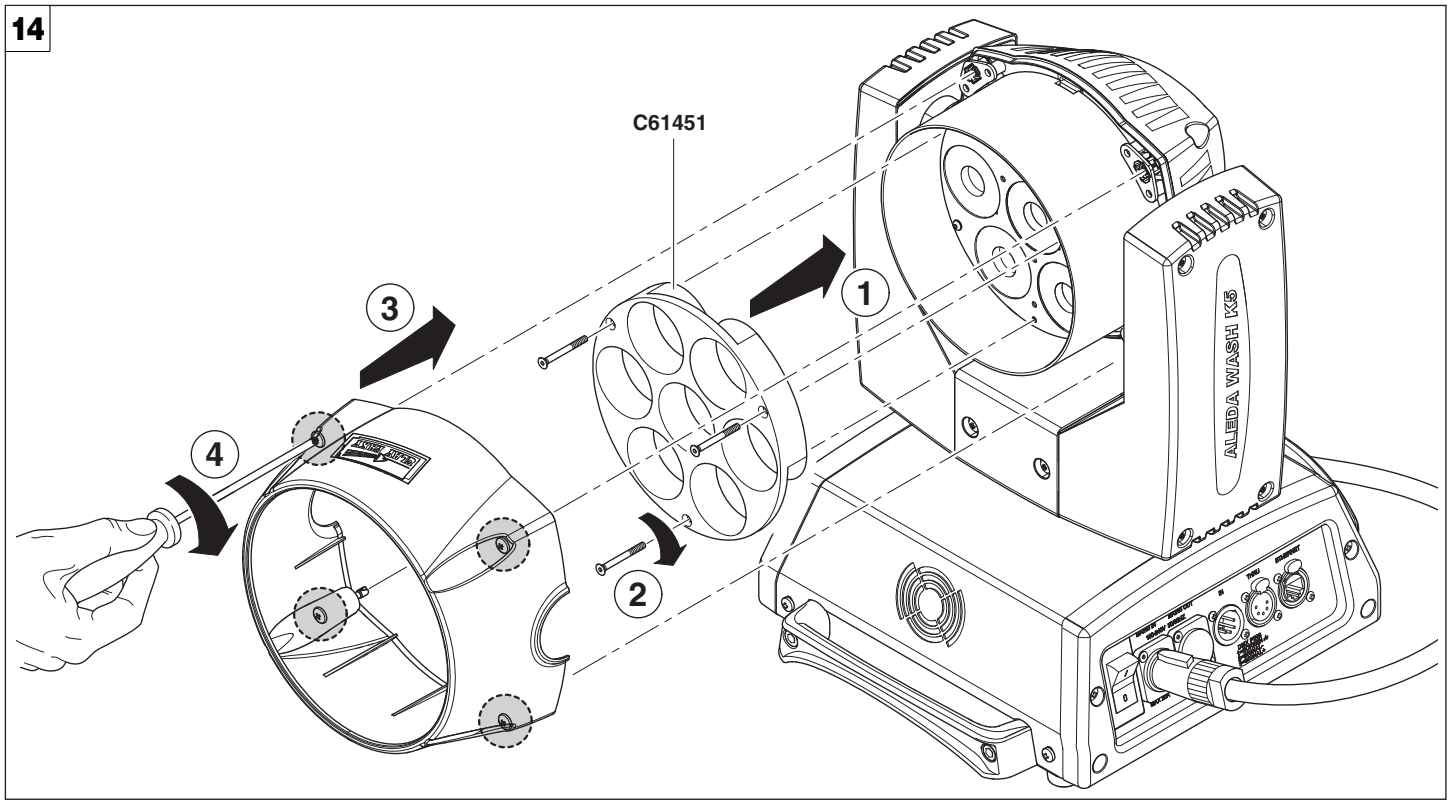

**Replacing the line actuator** - Fig. 12

**NB**: It is highly recommended to use the DIM002/001 (1) template whenever it is necessary to replace one of the three Zoom movement line actuators. DIM002/001 ensures the actuator group is centred correctly on the lens plate before tightening the 2 screws (2) that fasten the actuator in place.

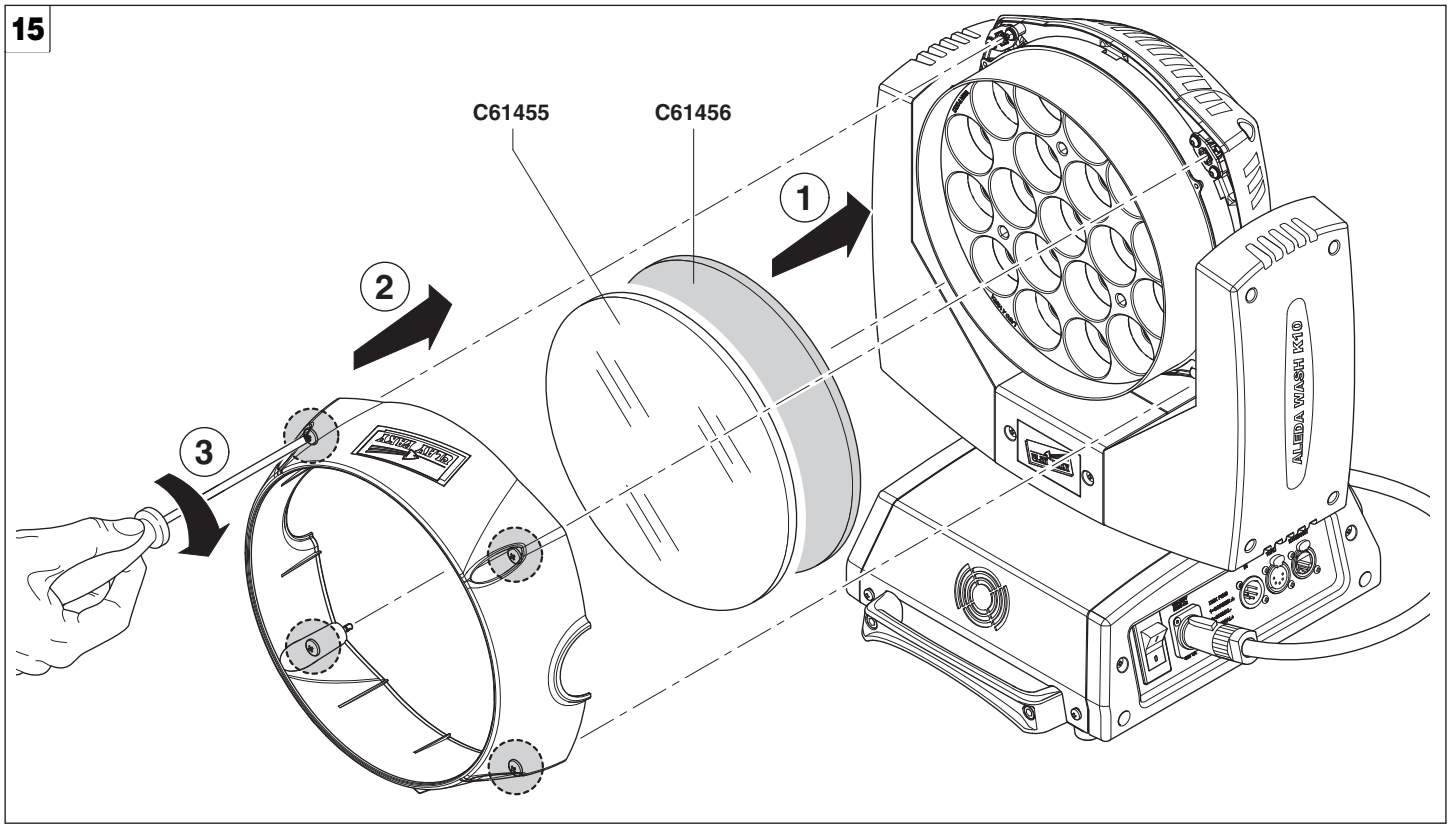
# A.LEDA WASH K5



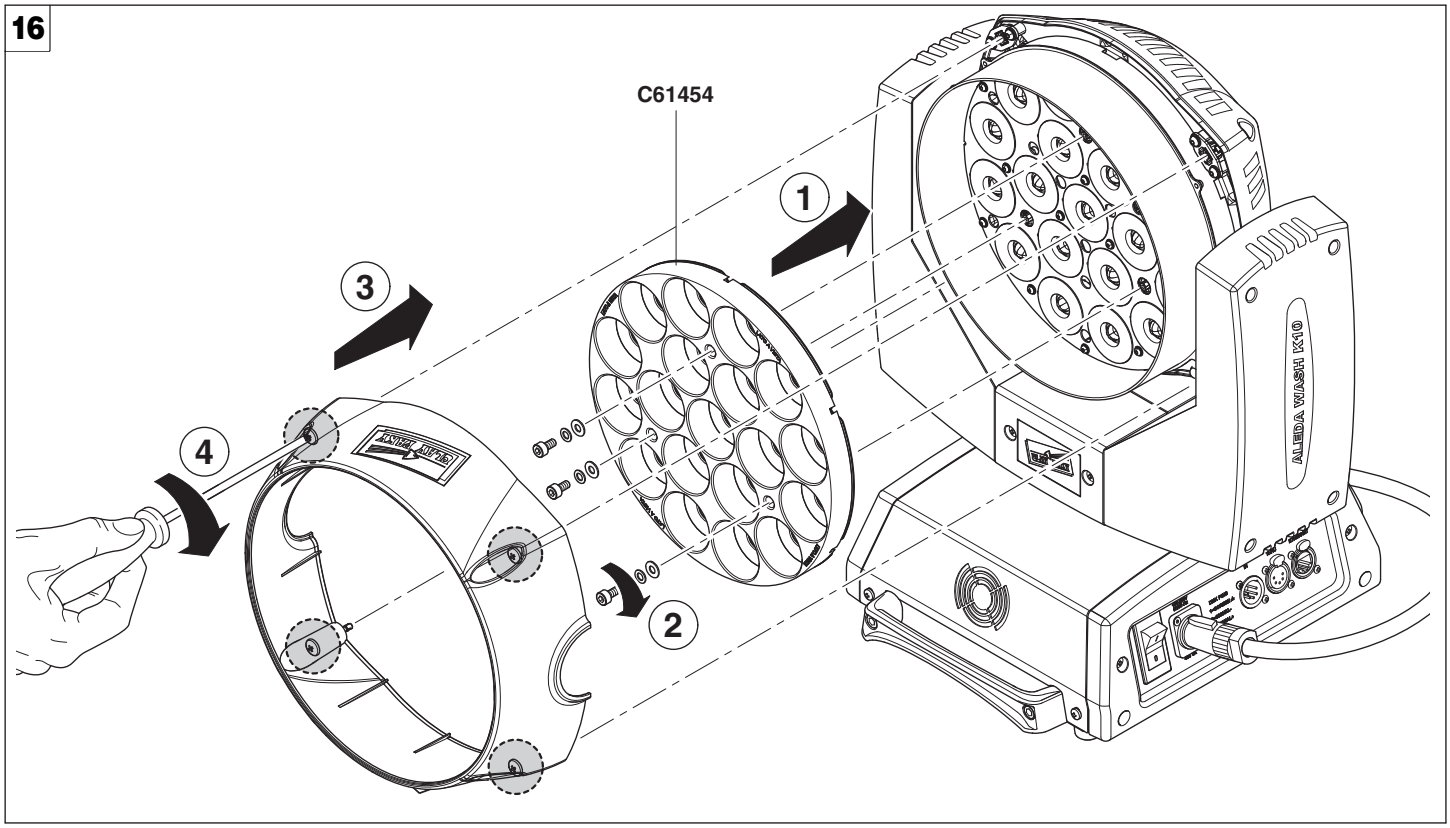

**Cover** - Fig. 13
C61452 - Transparent cover
C61453 - Frosted cover




**Transparent mask** - Fig. 14

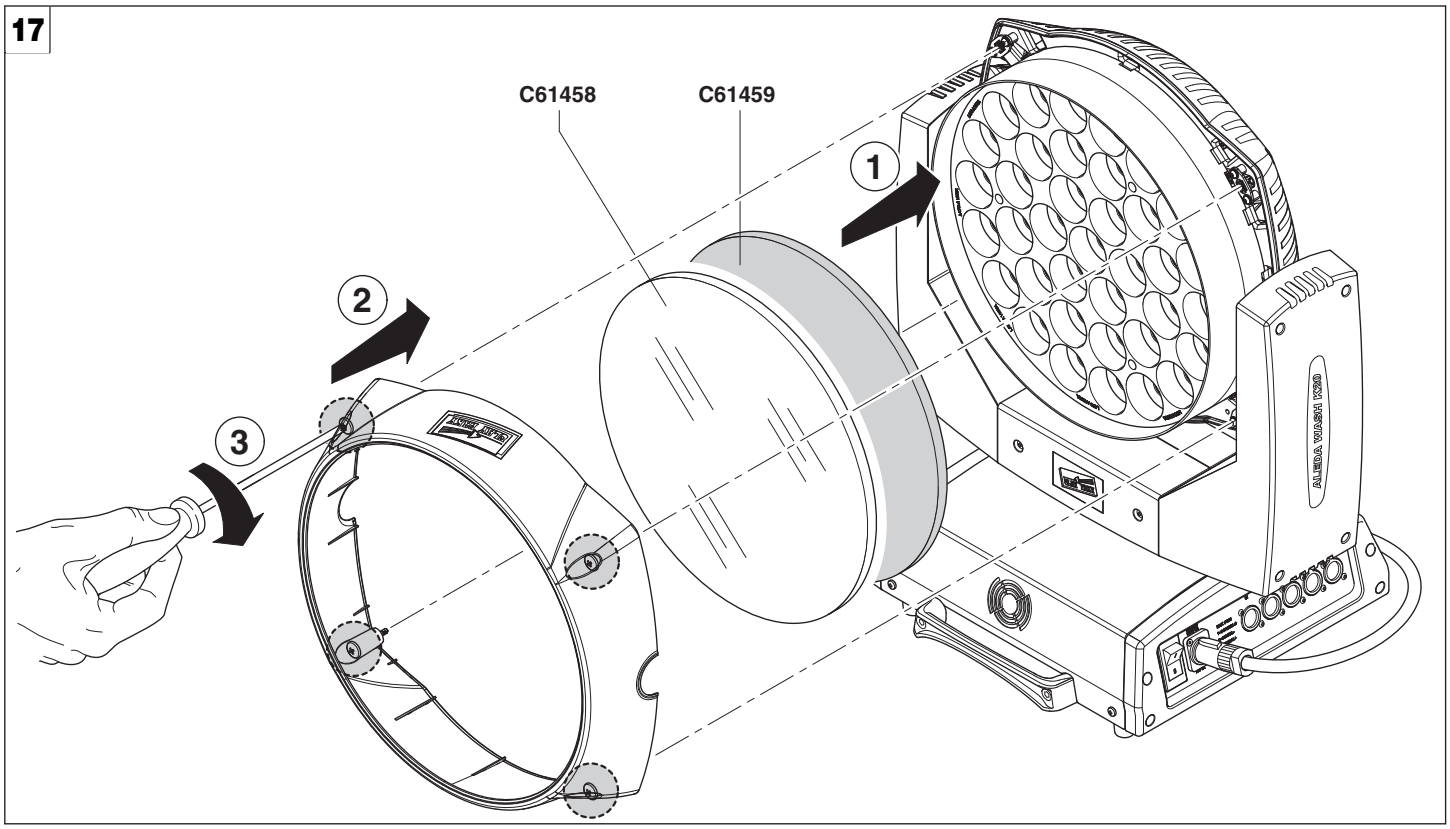



**Cover** - Fig. 15
C61455 - Transparent cover
C61456 - Frosted cover

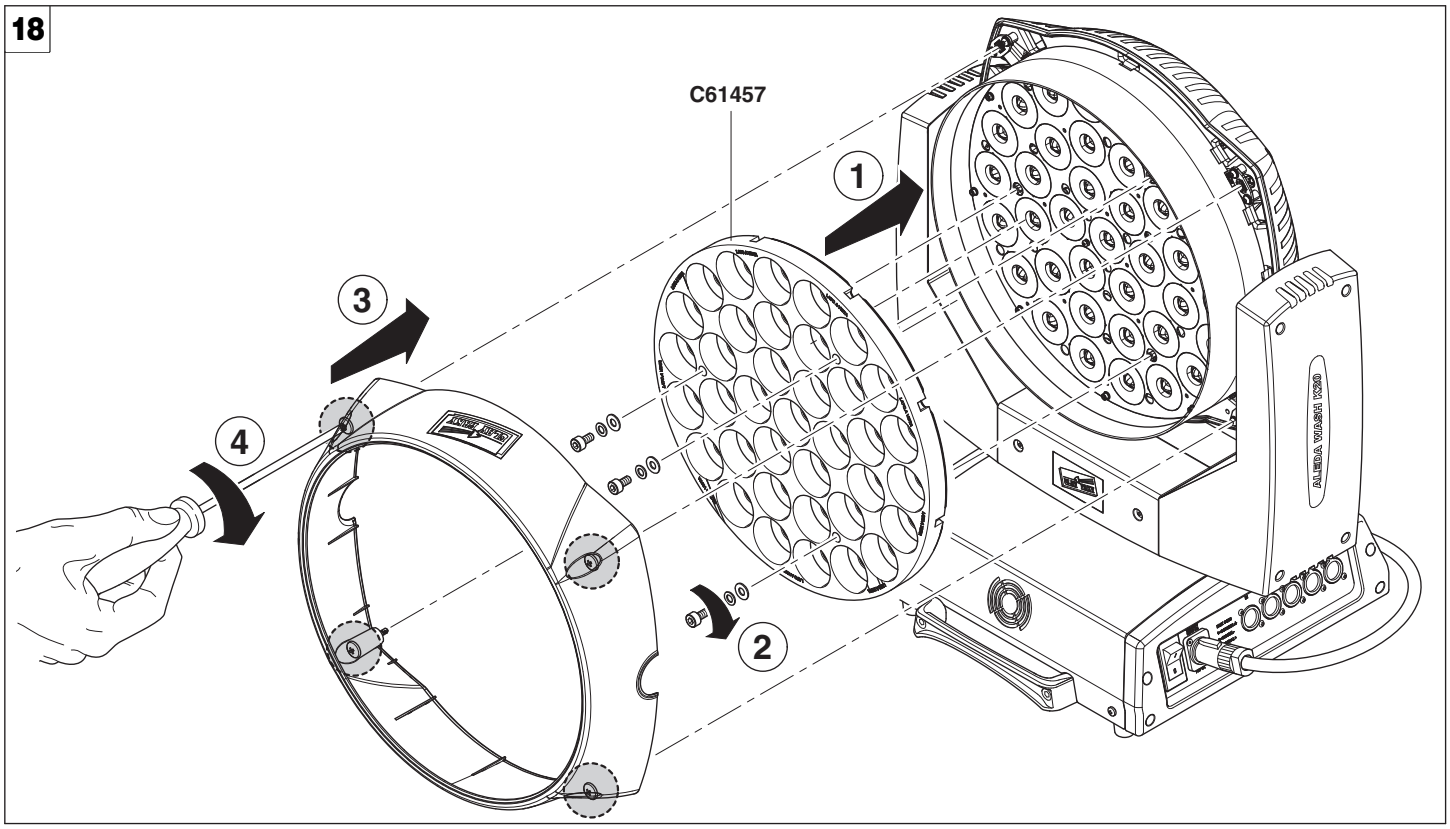



**Transparent mask** - Fig. 16

*Continue* →

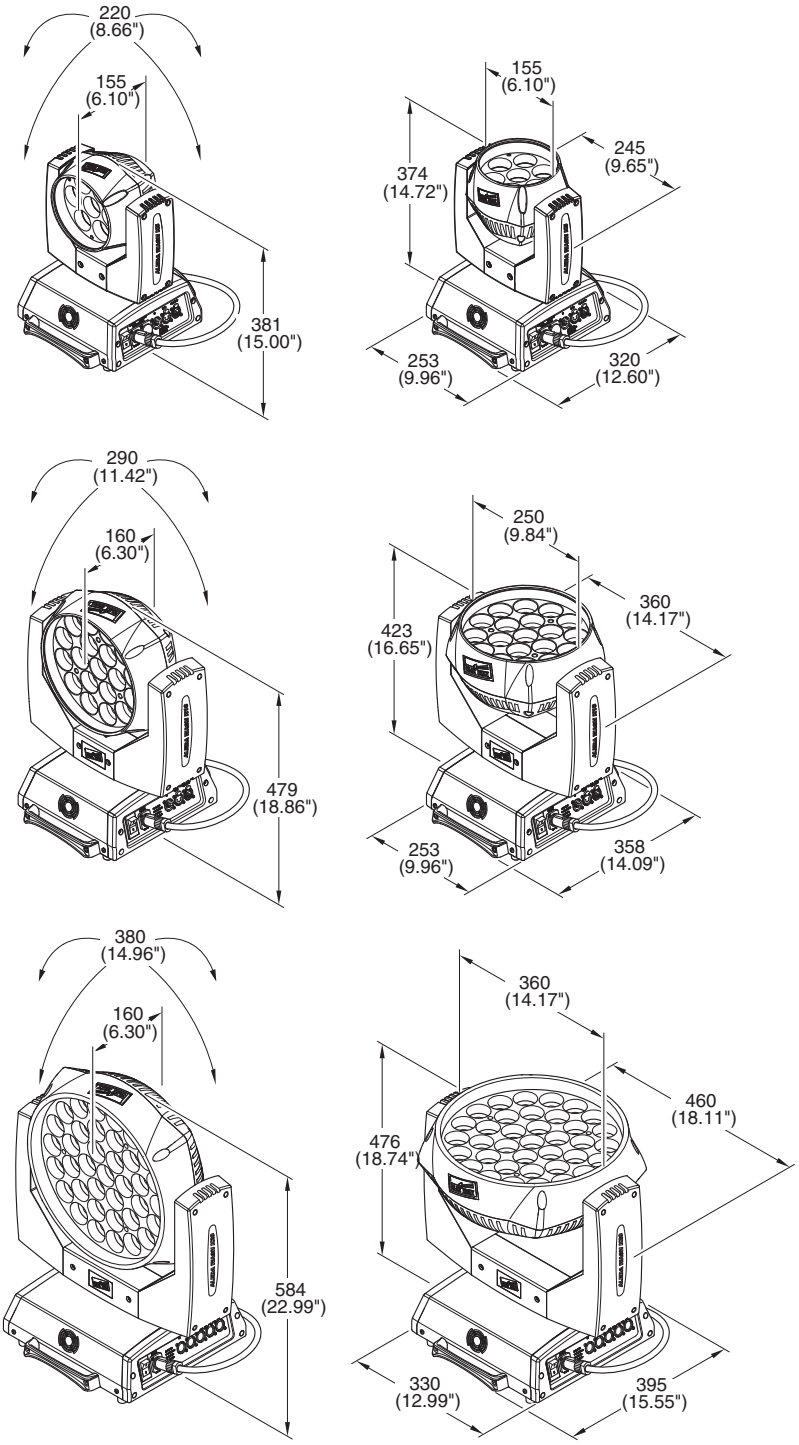



**Cover** - Fig. 17
C61458 - Transparent cove
C61459 - Frosted cover




**Transparent mask** - Fig. 18

# TECHNICAL INFORMATION




**Power supplies available**
100-240V 50/60Hz

**Input power**
- K20 - 750VA
- K10 - 450VA
- K5 - 170VA

Max 1800VA (with 11 A.leda Wash K5 connected in parallel)

**Total output**
K5 - Max 2100 lumens
K10 - Max 5500 lumens
K20 - Max 10500 lumens

**LED source**
LED Osram Ostar RGBW - 15W
Average LED life: 50.000 h

**Motors**
5 (k10 & k20), 2 (k5) stepper motors, operating with microsteps, totally microprocessor controlled.

**Cooling**
- High efficiency die-cast aluminium
- Forced ventilation

**Inputs**
DMX 512

**Working position**
Functioning in any position.

**Movable body**
- Movement by means of two stepper motors, controlled by microprocessor.
- Automatic repositioning of PAN and TILT after accidental movement not controlled by control unit.
- Travel:
  - PAN = 540°
  - TILT = 270°

**IP20 protection rating**
- Protected against the entry of solid bodies larger than 12mm (0.47").
- No protection against the entry of liquids.

**CE Marking**
Complies with the following European Directives
- 2006/95/EC (LVD)
- 2004/108/EC (EMC)
- 2011/65/EU (RoHS).

**Weights**
- K5: 7.55kg
- K10: 14.10 kg
- K20: 19.30 kg

# CAUSE AND SOLUTION OF PROBLEMS

| THE PROJECTOR WILL NOT SWITCH ON | ELECTRONICS NON-OPERATIONAL | DEFECTIVE PROJECTION | REDUCED LUMINOSITY | ***POSSIBLE CAUSES*** | ***CHECKS AND REMEDIES*** |
|---|---|---|---|---|---|
| ● | | | | No mains supply. | Check the power supply voltage. |
| ● | | | ● | LED exhausted or defective. | Call an authorised technician. |
| | ● | | | Signal transmission cable faulty or disconnected. | Replace the cables. |
| | ● | | | Incorrect addressing. | Check addresses (see instructions). |
| | ● | | | Fault in the electronic circuits. | Call an authorised technician. |
| | | ● | | Lenses or reflector broken | Call an authorised technician. |
| | | ● | ● | Dust or grease deposited. | Clean (see instructions). |

# A.LEDA WASH K5

## STANDARD

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |

## SHAPES

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Shape Selection |
| 21 | Shape Speed |
| 22 | Shape Smoothing |
| 23 | Shape Red |
| 24 | Shape Green |
| 25 | Shape Blue |
| 26 | Shape White |
| 27 | Shape Intensity |
| 28 | Background Intensity |
| 29 | Shape Transition |
| 30 | Shape Offset |

## EXTENDED

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Red LED 1 |
| 21 | Green LED 1 |
| 22 | Blue LED 1 |
| 23 | Red LED 2 |
| 24 | Green LED 2 |
| 25 | Blue LED 2 |
| 26 | Red LED 3 |
| 27 | Green LED 3 |
| 28 | Blue LED 3 |
| 29 | Red LED 4 |
| 30 | Green LED 4 |
| 31 | Blue LED 4 |
| 32 | Red LED 5 |
| 33 | Green LED 5 |
| 34 | Blue LED 5 |
| 35 | Red LED 6 |
| 36 | Green LED 6 |
| 37 | Blue LED 6 |
| 38 | Red LED 7 |
| 39 | Green LED 7 |
| 40 | Blue LED 7 |

## EXTENDED RGBW

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Red LED 1 |
| 21 | Green LED 1 |
| 22 | Blue LED 1 |
| 23 | White LED 1 |
| 24 | Red LED 2 |
| 25 | Green LED 2 |
| 26 | Blue LED 2 |
| 27 | White LED 2 |
| 28 | Red LED 3 |
| 29 | Green LED 3 |
| 30 | Blue LED 3 |
| 31 | White LED 3 |
| 32 | Red LED 4 |
| 33 | Green LED 4 |
| 34 | Blue LED 4 |
| 35 | White LED 4 |
| 36 | Red LED 5 |
| 37 | Green LED 5 |
| 38 | Blue LED 5 |
| 39 | White LED 5 |
| 40 | Red LED 6 |
| 41 | Green LED 6 |
| 42 | Blue LED 6 |
| 43 | White LED 6 |
| 44 | Red LED 7 |
| 45 | Green LED 7 |
| 46 | Blue LED 7 |
| 47 | White LED 7 |

# A.LEDA WASH K10

## STANDARD

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |

## SHAPES

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Shape Selection |
| 22 | Shape Speed |
| 23 | Shape Smoothing |
| 24 | Shape Red |
| 25 | Shape Green |
| 26 | Shape Blue |
| 27 | Shape White |
| 28 | Shape Intensity |
| 29 | Background Intensity |
| 30 | Shape Transition |
| 31 | Shape Offset |

## EXTENDED

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Red LED 1 |
| 22 | Green LED 1 |
| 23 | Blue LED 1 |
| 24 | Red LED 2 |
| 25 | Green LED 2 |
| 26 | Blue LED 2 |
| 27 | Red LED 3 |
| 28 | Green LED 3 |
| 29 | Blue LED 3 |
| 30 | Red LED 4 |
| 31 | Green LED 4 |
| 32 | Blue LED 4 |
| 33 | Red LED 5 |
| 34 | Green LED 5 |
| 35 | Blue LED 5 |
| 36 | Red LED 6 |
| 37 | Green LED 6 |
| 38 | Blue LED 6 |
| 39 | Red LED 7 |
| 40 | Green LED 7 |
| 41 | Blue LED 7 |
| 42 | Red LED 8 |
| 43 | Green LED 8 |
| 44 | Blue LED 8 |
| 45 | Red LED 9 |
| 46 | Green LED 9 |
| 47 | Blue LED 9 |
| 48 | Red LED 10 |
| 49 | Green LED 10 |
| 50 | Blue LED 10 |
| 51 | Red LED 11 |
| 52 | Green LED 11 |
| 53 | Blue LED 11 |
| 54 | Red LED 12 |
| 55 | Green LED 12 |
| 56 | Blue LED 12 |
| 57 | Red LED 13 |
| 58 | Green LED 13 |
| 59 | Blue LED 13 |
| 60 | Red LED 14 |
| 61 | Green LED 14 |
| 62 | Blue LED 14 |
| 63 | Red LED 15 |
| 64 | Green LED 15 |
| 65 | Blue LED 15 |
| 66 | Red LED 16 |
| 67 | Green LED 16 |
| 68 | Blue LED 16 |
| 69 | Red LED 17 |
| 70 | Green LED 17 |
| 71 | Blue LED 17 |
| 72 | Red LED 18 |
| 73 | Green LED 18 |
| 74 | Blue LED 18 |
| 75 | Red LED 19 |
| 76 | Green LED 19 |
| 77 | Blue LED 19 |

*Continue* →

# A.LEDA WASH K10

## EXTENDED RGBW

| CHAN-NEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Red LED 1 |
| 22 | Green LED 1 |
| 23 | Blue LED 1 |
| 24 | White LED 1 |
| 25 | Red LED 2 |
| 26 | Green LED 2 |
| 27 | Blue LED 2 |
| 28 | White LED 2 |
| 29 | Red LED 3 |
| 30 | Green LED 3 |
| 31 | Blue LED 3 |
| 32 | White LED 3 |
| 33 | Red LED 4 |
| 34 | Green LED 4 |
| 35 | Blue LED 4 |
| 36 | White LED 4 |
| 37 | Red LED 5 |
| 38 | Green LED 5 |
| 39 | Blue LED 5 |
| 40 | White LED 5 |
| 41 | Red LED 6 |
| 42 | Green LED 6 |
| 43 | Blue LED 6 |
| 44 | White LED 6 |
| 45 | Red LED 7 |
| 46 | Green LED 7 |
| 47 | Blue LED 7 |
| 48 | White LED 7 |
| 49 | Red LED 8 |

| CHAN-NEL | CHANNEL MODE |
|---|---|
| 50 | Green LED 8 |
| 51 | Blue LED 8 |
| 52 | White LED 8 |
| 53 | Red LED 9 |
| 54 | Green LED 9 |
| 55 | Blue LED 9 |
| 56 | White LED 9 |
| 57 | Red LED 10 |
| 58 | Green LED 10 |
| 59 | Blue LED 10 |
| 60 | White LED 10 |
| 61 | Red LED 11 |
| 62 | Green LED 11 |
| 63 | Blue LED 11 |
| 64 | White LED 11 |
| 65 | Red LED 12 |
| 66 | Green LED 12 |
| 67 | Blue LED 12 |
| 68 | White LED 12 |
| 69 | Red LED 13 |
| 70 | Green LED 13 |
| 71 | Blue LED 13 |
| 72 | White LED 13 |
| 73 | Red LED 14 |
| 74 | Green LED 14 |
| 75 | Blue LED 14 |
| 76 | White LED 14 |
| 77 | Red LED 15 |
| 78 | Green LED 15 |
| 79 | Blue LED 15 |
| 80 | White LED 15 |
| 81 | Red LED 16 |
| 82 | Green LED 16 |
| 83 | Blue LED 16 |
| 84 | White LED 16 |
| 85 | Red LED 17 |
| 86 | Green LED 17 |
| 87 | Blue LED 17 |
| 88 | White LED 17 |
| 89 | Red LED 18 |
| 90 | Green LED 18 |
| 91 | Blue LED 18 |
| 92 | White LED 18 |
| 93 | Red LED 19 |
| 94 | Green LED 19 |
| 95 | Blue LED 19 |
| 96 | White LED 19 |
| | |
| | |

# A.LEDA WASH K20

## STANDARD

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |

## SHAPES

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Shape Selection |
| 22 | Shape Speed |
| 23 | Shape Smoothing |
| 24 | Shape Red |
| 25 | Shape Green |
| 26 | Shape Blue |
| 27 | Shape White |
| 28 | Shape Intensity |
| 29 | Background Intensity |
| 30 | Shape Transition |
| 31 | Shape Offset |

## EXTENDED

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Red LED 1 |
| 22 | Green LED 1 |
| 23 | Blue LED 1 |
| 24 | Red LED 2 |
| 25 | Green LED 2 |
| 26 | Blue LED 2 |
| 27 | Red LED 3 |
| 28 | Green LED 3 |
| 29 | Blue LED 3 |
| 30 | Red LED 4 |
| 31 | Green LED 4 |
| 32 | Blue LED 4 |
| 33 | Red LED 5 |
| 34 | Green LED 5 |
| 35 | Blue LED 5 |
| 36 | Red LED 6 |
| 37 | Green LED 6 |
| 38 | Blue LED 6 |
| 39 | Red LED 7 |
| 40 | Green LED 7 |
| 41 | Blue LED 7 |
| 42 | Red LED 8 |
| 43 | Green LED 8 |
| 44 | Blue LED 8 |
| 45 | Red LED 9 |
| 46 | Green LED 9 |
| 47 | Blue LED 9 |
| 48 | Red LED 10 |
| 49 | Green LED 10 |
| 50 | Blue LED 10 |
| 51 | Red LED 11 |
| 52 | Green LED 11 |
| 53 | Blue LED 11 |
| 54 | Red LED 12 |
| 55 | Green LED 12 |
| 56 | Blue LED 12 |
| 57 | Red LED 13 |
| 58 | Green LED 13 |
| 59 | Blue LED 13 |
| 60 | Red LED 14 |
| 61 | Green LED 14 |
| 62 | Blue LED 14 |
| 63 | Red LED 15 |
| 64 | Green LED 15 |
| 65 | Blue LED 15 |
| 66 | Red LED 16 |
| 67 | Green LED 16 |
| 68 | Blue LED 16 |
| 69 | Red LED 17 |
| 70 | Green LED 17 |
| 71 | Blue LED 17 |
| 72 | Red LED 18 |
| 73 | Green LED 18 |
| 74 | Blue LED 18 |
| 75 | Red LED 19 |
| 76 | Green LED 19 |
| 77 | Blue LED 19 |
| 78 | Red LED 20 |
| 79 | Green LED 20 |
| 80 | Blue LED 20 |
| 81 | Red LED 21 |
| 82 | Green LED 21 |
| 83 | Blue LED 21 |
| 84 | Red LED 22 |
| 85 | Green LED 22 |
| 86 | Blue LED 22 |
| 87 | Red LED 23 |
| 88 | Green LED 23 |
| 89 | Blue LED 23 |
| 90 | Red LED 24 |
| 91 | Green LED 24 |
| 92 | Blue LED 24 |
| 93 | Red LED 25 |
| 94 | Green LED 25 |
| 95 | Blue LED 25 |
| 96 | Red LED 26 |
| 97 | Green LED 26 |
| 98 | Blue LED 26 |
| 99 | Red LED 27 |
| 100 | Green LED 27 |
| 101 | Blue LED 27 |
| 102 | Red LED 28 |
| 103 | Green LED 28 |
| 104 | Blue LED 28 |
| 105 | Red LED 29 |
| 106 | Green LED 29 |
| 107 | Blue LED 29 |
| 108 | Red LED 30 |
| 109 | Green LED 30 |
| 110 | Blue LED 30 |
| 111 | Red LED 31 |
| 112 | Green LED 31 |
| 113 | Blue LED 31 |
| 114 | Red LED 32 |
| 115 | Green LED 32 |
| 116 | Blue LED 32 |
| 117 | Red LED 33 |
| 118 | Green LED 33 |
| 119 | Blue LED 33 |
| 120 | Red LED 34 |
| 121 | Green LED 34 |
| 122 | Blue LED 34 |
| 123 | Red LED 35 |
| 124 | Green LED 35 |
| 125 | Blue LED 35 |
| 126 | Red LED 36 |
| 127 | Green LED 36 |
| 128 | Blue LED 36 |
| 129 | Red LED 37 |
| 130 | Green LED 37 |
| 131 | Blue LED 37 |
| | |

*Continue* →

# A.LEDA WASH K20

## EXTENDED RGBW

| CHANNEL | CHANNEL MODE |
|---|---|
| 1 | Red |
| 2 | Red fine |
| 3 | Green |
| 4 | Green fine |
| 5 | Blue |
| 6 | Blue fine |
| 7 | White |
| 8 | White fine |
| 9 | CTO |
| 10 | Macro colour |
| 11 | Strobe |
| 12 | Dimmer |
| 13 | Dimmer Fine |
| 14 | Pan |
| 15 | Pan Fine |
| 16 | Tilt |
| 17 | Tilt Fine |
| 18 | Function |
| 19 | Reset |
| 20 | Zoom |
| 21 | Red LED 1 |
| 22 | Green LED 1 |
| 23 | Blue LED 1 |
| 24 | White LED 1 |
| 25 | Red LED 2 |
| 26 | Green LED 2 |
| 27 | Blue LED 2 |
| 28 | White LED 2 |
| 29 | Red LED 3 |
| 30 | Green LED 3 |
| 31 | Blue LED 3 |
| 32 | White LED 3 |
| 33 | Red LED 4 |
| 34 | Green LED 4 |
| 35 | Blue LED 4 |
| 36 | White LED 4 |
| 37 | Red LED 5 |
| 38 | Green LED 5 |
| 39 | Blue LED 5 |
| 40 | White LED 5 |
| 41 | Red LED 6 |
| 42 | Green LED 6 |
| 43 | Blue LED 6 |
| 44 | White LED 6 |
| 45 | Red LED 7 |
| 46 | Green LED 7 |
| 47 | Blue LED 7 |
| 48 | White LED 7 |
| 49 | Red LED 8 |
| 50 | Green LED 8 |
| 51 | Blue LED 8 |
| 52 | White LED 8 |
| 53 | Red LED 9 |
| 54 | Green LED 9 |
| 55 | Blue LED 9 |
| 56 | White LED 9 |

| CHANNEL | CHANNEL MODE |
|---|---|
| 57 | Red LED 10 |
| 58 | Green LED 10 |
| 59 | Blue LED 10 |
| 60 | White LED 10 |
| 61 | Red LED 11 |
| 62 | Green LED 11 |
| 63 | Blue LED 11 |
| 64 | White LED 11 |
| 65 | Red LED 12 |
| 66 | Green LED 12 |
| 67 | Blue LED 12 |
| 68 | White LED 12 |
| 69 | Red LED 13 |
| 70 | Green LED 13 |
| 71 | Blue LED 13 |
| 72 | White LED 13 |
| 73 | Red LED 14 |
| 74 | Green LED 14 |
| 75 | Blue LED 14 |
| 76 | White LED 14 |
| 77 | Red LED 15 |
| 78 | Green LED 15 |
| 79 | Blue LED 15 |
| 80 | White LED 15 |
| 81 | Red LED 16 |
| 82 | Green LED 16 |
| 83 | Blue LED 16 |
| 84 | White LED 16 |
| 85 | Red LED 17 |
| 86 | Green LED 17 |
| 87 | Blue LED 17 |
| 88 | White LED 17 |
| 89 | Red LED 18 |
| 90 | Green LED 18 |
| 91 | Blue LED 18 |
| 92 | White LED 18 |
| 93 | Red LED 19 |
| 94 | Green LED 19 |
| 95 | Blue LED 19 |
| 96 | White LED 19 |
| 97 | Red LED 20 |
| 98 | Green LED 20 |
| 99 | Blue LED 20 |
| 100 | White LED 20 |
| 101 | Red LED 21 |
| 102 | Green LED 21 |
| 103 | Blue LED 21 |
| 104 | White LED 21 |
| 105 | Red LED 22 |
| 106 | Green LED 22 |
| 107 | Blue LED 22 |
| 108 | White LED 22 |
| 109 | Red LED 23 |
| 110 | Green LED 23 |
| 111 | Blue LED 23 |
| 112 | White LED 23 |

| CHANNEL | CHANNEL MODE |
|---|---|
| 113 | Red LED 24 |
| 114 | Green LED 24 |
| 115 | Blue LED 24 |
| 116 | White LED 24 |
| 117 | Red LED 25 |
| 118 | Green LED 25 |
| 119 | Blue LED 25 |
| 120 | White LED 25 |
| 121 | Red LED 26 |
| 122 | Green LED 26 |
| 123 | Blue LED 26 |
| 124 | White LED 26 |
| 125 | Red LED 27 |
| 126 | Green LED 27 |
| 127 | Blue LED 27 |
| 128 | White LED 27 |
| 129 | Red LED 28 |
| 130 | Green LED 28 |
| 131 | Blue LED 28 |
| 132 | White LED 28 |
| 133 | Red LED 29 |
| 134 | Green LED 29 |
| 135 | Blue LED 29 |
| 136 | White LED 29 |
| 137 | Red LED 30 |
| 138 | Green LED 30 |
| 139 | Blue LED 30 |
| 140 | White LED 30 |
| 141 | Red LED 31 |
| 142 | Green LED 31 |
| 143 | Blue LED 31 |
| 144 | White LED 31 |
| 145 | Red LED 32 |
| 146 | Green LED 32 |
| 147 | Blue LED 32 |
| 148 | White LED 32 |
| 149 | Red LED 33 |
| 150 | Green LED 33 |
| 151 | Blue LED 33 |
| 152 | White LED 33 |
| 153 | Red LED 34 |
| 154 | Green LED 34 |
| 155 | Blue LED 34 |
| 156 | White LED 34 |
| 157 | Red LED 35 |
| 158 | Green LED 35 |
| 159 | Blue LED 35 |
| 160 | White LED 35 |
| 161 | Red LED 36 |
| 162 | Green LED 36 |
| 163 | Blue LED 36 |
| 164 | White LED 36 |
| 165 | Red LED 37 |
| 166 | Green LED 37 |
| 167 | Blue LED 37 |
| 168 | White LED 37 |

**NOTE: On conclusion of resetting in case of absence of DMX signal, Pan & Tilt move to the "Home" position (Pan 50% - Tilt 50%) all the others channels stay at 0%.**

**• RED – GREEN - BLUE - WHITE**

| BIT | EFFECT |
|---|---|
| 255 | COLOUR INSERTED |
| 0 | COLOUR EXCLUDED |

**• RED FINE – GREEN FINE – BLUE FINE – WHITE FINE**

| BIT | EFFECT |
|---|---|
| 255 | |
| 0 | |

**• C.T.O.**

| BIT | EFFECT |
|---|---|
| 255 | 2500 |
| 250 | 2600 |
| 246 | 2700 |
| 242 | 2800 |
| 237 | 2900 |
| 233 | 3000 |
| 228 | 3100 |
| 224 | 3200 |
| 219 | 3300 |
| 215 | 3400 |
| 210 | 3500 |
| 206 | 3600 |
| 201 | 3700 |
| 197 | 3800 |
| 192 | 3900 |
| 188 | 4000 |
| 184 | 4100 |
| 179 | 4200 |
| 175 | 4300 |
| 170 | 4400 |
| 166 | 4500 |
| 161 | 4600 |
| 157 | 4700 |
| 152 | 4800 |
| 148 | 4900 |
| 144 | 5000 |
| 139 | 5100 |
| 135 | 5200 |
| 130 | 5300 |
| 126 | 5400 |
| 121 | 5500 |
| 117 | 5600 |
| 112 | 5700 |
| 108 | 5800 |
| 103 | 5900 |
| 99 | 6000 |
| 95 | 6100 |
| 90 | 6200 |
| 86 | 6300 |
| 81 | 6400 |
| 77 | 6500 |
| 72 | 6600 |
| 68 | 6700 |
| 63 | 6800 |
| 59 | 6900 |
| 54 | 7000 |
| 50 | 7100 |
| 46 | 7200 |
| 41 | 7300 |
| 37 | 7400 |
| 32 | 7500 |
| 28 | 7600 |
| 23 | 7700 |
| 19 | 7800 |
| 14 | 7900 |
| 10 | 8000 |
| 0-9 | UNUSED RANGE |

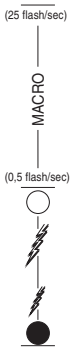
**Note: If CTO channel is active, the WHITE channel is disabled.**

*Continue* ➔

**• MACRO COLOUR**

| BIT | LEE REFERENCE | COLOUR | BIT VALUE | | | |
|---|---|---|---|---|---|---|
| | | | R | G | B | W |
| 207-255 | 197 | Alice Blue | 128 | 255 | 143 | 0 |
| 191-206 | 181 | Congo Blue | 77 | 0 | 255 | 0 |
| 184-190 | 174 | Dark Steel Blue | 181 | 255 | 95 | 0 |
| 180-183 | 170 | Deep lavender | 255 | 168 | 64 | 0 |
| 179 | 169 | Lilac Tint | 255 | 199 | 49 | 0 |
| 175-178 | 165 | Daylight Blue | 82 | 214 | 90 | 0 |
| 174 | 164 | Flame Red | 255 | 46 | 2 | 0 |
| 172-173 | 162 | Bastard Amber | 255 | 181 | 28 | 0 |
| 168-171 | 158 | Deep Orange | 222 | 84 | 0 | 0 |
| 162-167 | 152 | Pale Gold | 253 | 171 | 26 | 0 |
| 157-161 | 147 | Apricot | 255 | 143 | 13 | 0 |
| 151-156 | 141 | Bright Blue | 0 | 255 | 87 | 0 |
| 149-150 | 139 | Primary Green | 77 | 255 | 0 | 0 |
| 147-148 | 137 | Special lavender | 219 | 197 | 79 | 0 |
| 146 | 136 | Pale Lavender | 255 | 197 | 61 | 0 |
| 145 | 135 | Deep Golden Amber | 255 | 58 | 0 | 0 |
| 142-144 | 132 | Medium Blue | 0 | 255 | 143 | 0 |
| 138-141 | 128 | Bright Pink | 255 | 53 | 36 | 0 |
| 136-137 | 126 | Mauve | 227 | 41 | 56 | 0 |
| 134-135 | 124 | Dark Green | 84 | 255 | 13 | 0 |
| 131-133 | 121 | Leaf Green | 206 | 255 | 0 | 0 |
| 129-130 | 119 | Dark Blue | 0 | 186 | 255 | 0 |
| 128 | 118 | Light Blue | 74 | 255 | 82 | 0 |
| 127 | 117 | Steel Blue | 206 | 255 | 56 | 0 |
| 126 | 116 | Med Blu Green | 206 | 255 | 56 | 0 |
| 125 | 115 | Peacock Blue | 51 | 255 | 51 | 0 |
| 123-124 | 113 | Magenta | 255 | 20 | 15 | 0 |
| 121-122 | 111 | Dark Pink | 255 | 109 | 33 | 0 |
| 120 | 110 | Middle Rose | 217 | 130 | 28 | 0 |
| 119 | 109 | Light Salmon | 255 | 138 | 31 | 0 |
| 118 | 108 | English Rose | 255 | 148 | 23 | 0 |
| 117 | 107 | Light Rose | 255 | 141 | 31 | 0 |
| 115-116 | 105 | Orange | 255 | 122 | 0 | 0 |
| 114 | 104 | Deep Amber | 255 | 166 | 0 | 0 |
| 113 | 103 | Straw | 230 | 160 | 0 | 69 |
| 112 | 102 | Light Amber | 237 | 163 | 0 | 0 |
| 110-111 | 100 | Spring Yellow | 245 | 202 | 0 | 0 |
| 100-109 | 90 | Dark yellow green | 41 | 219 | 0 | 0 |
| 89-99 | 79 | Just Blue | 0 | 194 | 130 | 0 |
| 78-88 | 68 | Sky Blue | 0 | 255 | 135 | 0 |
| 68-77 | 58 | Lavender | 243 | 117 | 133 | 199 |
| 62-67 | 52 | Light Lavender | 243 | 117 | 39 | 197 |
| 49-61 | 39 | Pink Carnation | 255 | 107 | 0 | 130 |
| 46-48 | 36 | Medium Pink | 255 | 87 | 0 | 107 |
| 45 | 35 | Light Pink | 255 | 112 | 0 | 141 |
| 35-44 | 25 | Sunrise Red | 255 | 83 | 2 | 0 |
| 32-34 | 22 | Dark Amber | 255 | 65 | 0 | 0 |
| 31 | 21 | Gold Amber | 255 | 100 | 0 | 0 |
| 30 | 20 | Medium Amber | 255 | 135 | 0 | 0 |
| 29 | 19 | Fire | 255 | 56 | 0 | 0 |
| 27-28 | 17 | Surprise Peach | 198 | 114 | 9 | 0 |
| 23-26 | 13 | Straw Tint | 152 | 115 | 9 | 0 |
| 20-22 | 10 | Medium Yellow | 156 | 126 | 0 | 0 |
| 19 | | Black | 0 | 0 | 0 | 0 |
| 18 | | White 5000°K | 255 | 137 | 0 | 193 |
| 17 | | White 3700°K | 255 | 201 | 25 | 255 |
| 16 | | White 7000°K | 216 | 237 | 61 | 255 |
| 15 | | Magenta | 255 | 0 | 255 | 0 |
| 14 | | Yellow | 255 | 255 | 0 | 0 |
| 13 | | Cyan | 0 | 255 | 255 | 0 |
| 12 | | Blue | 0 | 0 | 255 | 0 |
| 11 | | Green | 0 | 255 | 0 | 0 |
| 10 | | Red | 255 | 0 | 0 | 0 |
| 0-9 | | Macro color OFF | | | | |

**• STOP / STROBE**




| BIT | EFFECT |
|---|---|
| 252 - 255 | OPEN |
| 239 - 251 | RANDOM FAST STROBE |
| 226 - 238 | RANDOM MEDIUM STROBE |
| 213 - 225 | RANDOM SLOW STROBE |
| 208 - 212 | OPEN |
| 207 | FAST PULSATION (25 flash/sec) |
| 108 | SLOW PULSATION |
| 104 - 107 | OPEN |
| 103 | FAST STROBE (25 flash/sec) |
| 4 | SLOW STROBE (1 flash/sec) |
| 0 - 3 | CLOSED |

**• DIMMER**

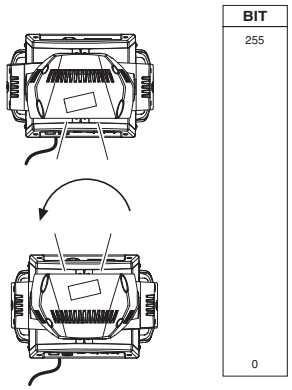
| BIT | EFFECT |
|---|---|
| 255 | FULL LIGHT |
| 0 | NO LIGHT |

**• DIMMER FINE**

| BIT | EFFECT |
|---|---|
| 255 | |
| 0 | |

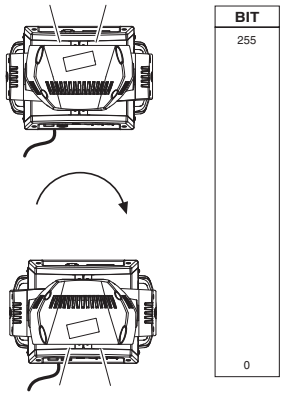
**• PAN**

*Operation with option InvertPan ⇕ Off*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*




0-255 Bit: 2.65 sec (K20)
0-255 Bit: 2.01 sec (K10)
0-255 Bit: 1.41 sec (K5)

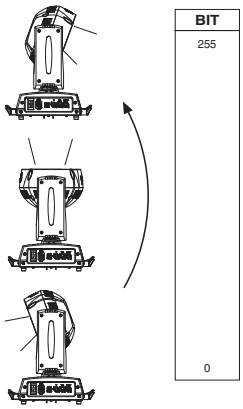
*Operation with option InvertPan ⇕ On*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*




0-255 Bit: 2.65 sec (K20)
0-255 Bit: 2.01 sec (K10)
0-255 Bit: 1.41 sec (K5)

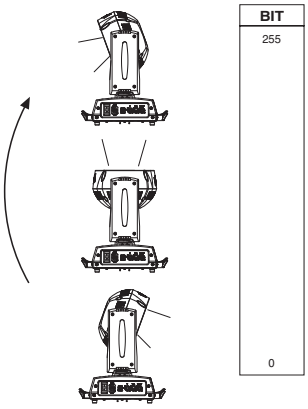
**• TILT**

*Operation with option InvertPan ⇕ Off*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*




0-255 Bit: 1.45 sec (K20)
0-255 Bit: 0.87 sec (K10)
0-255 Bit: 0.80 sec (K5)

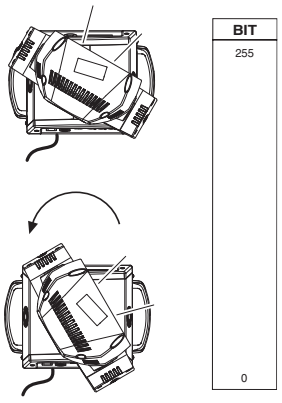
*Operation with option InvertPan ⇕ On*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*



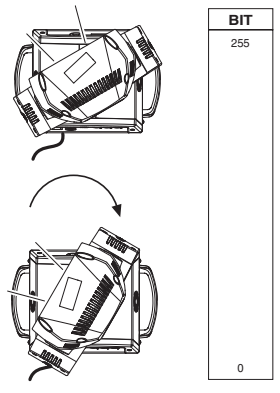

0-255 Bit: 1.45 sec (K20)
0-255 Bit: 0.87 sec (K10)
0-255 Bit: 0.80 sec (K5)

**• PAN FINE**

*Operation with option InvertPan ⇕ Off*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*

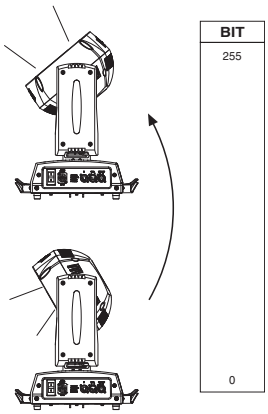



*Operation with option InvertPan ⇕ On*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*

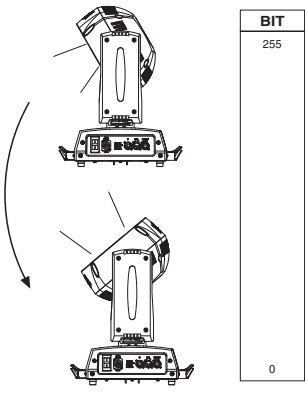



**• TILT FINE**

*Operation with option InvertPan ⇕ Off*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*




*Operation with option InvertPan ⇕ On*
*(Tilt conventionally represented at 14% and option Invert Tilt ⇕ Off)*



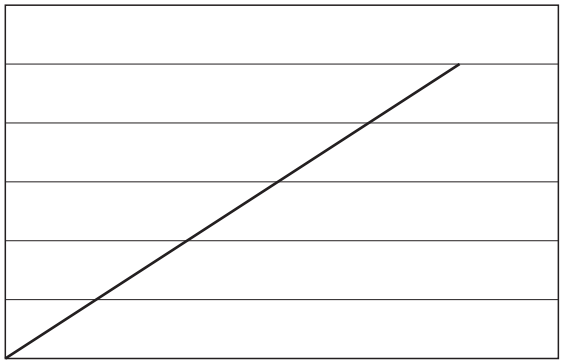

*Continue* ➔

**• FUNCTION**

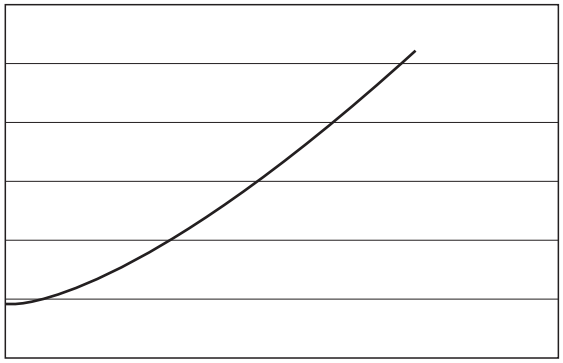
| BIT | EFFECT |
|---|---|
| 251 – 255 | Reset to defult |
| 103 – 250 | Unused Range |
| 98 – 102 | Halogen Lamp Simulation, type 5 (2500 W) |
| 93 – 97 | Halogen Lamp Simulation, type 4 (2000 W) |
| 88 – 92 | Halogen Lamp Simulation, type 3 (1200 W) |
| 83 – 87 | Halogen Lamp Simulation, type 2 (1000 W) |
| 78 – 82 | Halogen Lamp Simulation, type 1 (750W) |
| 73 – 77 | Halogen Lamp Simulation OFF (Default) |
| 68 – 72 | RGBW Gamma curve 3 – gamma = 2.0 |
| 63 – 67 | RGBW Gamma curve 2 – gamma = 1.5 (Default) |
| 58 – 62 | RGBW Gamma curve 1 – gamma = 1.0 |
| 53 – 57 | Dimmer Curve 4 |
| 48 – 52 | Dimmer Curve 3 (Default) |
| 43 – 47 | Dimmer Curve 2 |
| 38 – 42 | Dimmer Curve 1 |
| 25 – 37 | Pan Tilt Normal |
| 12 – 24 | Pan Tilt Fast (Default) |
| 0 – 11 | Function off |

The functions are actived passing through the “unused range” and staying 5 seconds in necessary level.
Last selected function still active. Enable setting a new function.

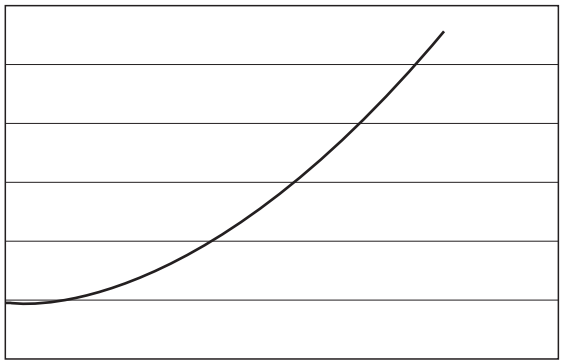
DIMMER CURVE 1 - GAMMA 1 LINEAR



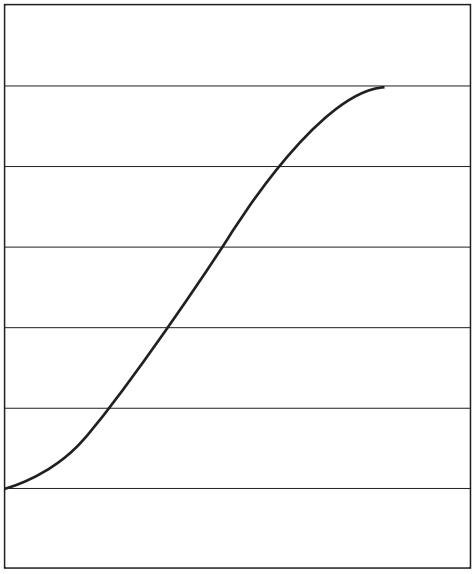
DIMMER CURVE 2 - GAMMA 1,5



DIMMER CURVE 3 - GAMMA 2,0



DIMMER CURVE 4 - S



**• RESET**

| BIT | EFFECT |
|---|---|
| 255 | COMPLETE RESET |
| | Complete reset is activated passing throug the unused range and staying 5 seconds in complete reset levels |
| 128 | COMPLETE RESET |
| 127 | PAN / TILT RESET |
| | Pan / Tilt reset is activated passing throug the unused range and staying 5 seconds in Pan / Tilt reset levels |
| 77 | PAN / TILT RESET |
| 76 | ZOOM RESET |
| | Effects reset is activated passing throug the unused range and staying 5 seconds in Effects reset levels. |
| 26 | ZOOM RESET |
| 25 | |
| 0 | UNUSED RANGE |

* Automatic gamma is calculated based on background intensity to auto-adapt the shape’s fade.

**SHAPE SELECTION - SHAPE SPEED - SHAPE OFFSET**

| BIT | SHAPE SELECTION | On K5 | On K10 | On K20 | RANDOM COLORS *1 | SHAPE SPEED | SHAPE OFFSET |
|---|---|---|---|---|---|---|---|
| **32-255** | Reserved | No | Yes | Yes | N.a. | N.a. | N.a. |
| **31** | Two rotating arcs of different colors and direction | No | Yes | Yes | | | |
| **30** | Two rotating arcs of different colors | Yes | Yes | Yes | | | |
| **29** | Two rotating bars of different colors | Yes | Yes | Yes | | | |
| **28** | Triangle | Yes | Yes | Yes | | | |
| **27** | Half moon | Yes | Yes | Yes | | | |
| **26** | Bar (2 arms) | Yes | Yes | Yes | | | |
| **25** | Fan (3 arms) | Yes | Yes | Yes | N.a. | 0-126 = max to min speed, c.cw rotation<br>127-128 = STOP<br>129-255 = min to max speed, cw rotationt" | 0-255 → angle offset from 0 to 360° |
| **24** | Rainbow 2, fixed speed with variable color offset. | Yes | Yes | Yes | Yes | 0-126 = c.cw rotation<br>127-128 = STOP<br>129-255 = cw rotationt<br><br>The value 0-126 or 129-255 change the rainbow angle offset (the orange starting angle). | N.a. |
| **23** | Rainbow 1, variable speed. | Yes | Yes | Yes | Yes | 0-126 = max to min speed, c.cw rotation<br>127-128 = STOP<br>129-255 = min to max speed, cw rotationt | 0-255 → angle offset from 0 to 360° |
| **22** | Random pixels with variable density and speed | Yes | Yes | Yes | Yes | | 0-255 → select pixel density |
| **21** | Random pixels distribuited on many fixtures | Yes | Yes | Yes | Yes | 0-126 = max to min speed, Instant-on + fadeout.<br>127-128 = STOP.<br>129-255 = min to max speed, FadeIn + FadeOut.<br><br>Fade or snap depending on fade channel. | 0-255 → select random distribution from 2 up to 20 fixtures |
| **20** | Ring with variable radius, filled. | Yes | Yes | Yes | N.a. | | N.a. |
| **19** | Ring with variable radius | Yes | Yes | Yes | N.a. | 0-255 = radius<br>0 = minimum<br>255 = maximum | 0-255 → angle offset from 0 to 360° |
| **18** | Ring Open/Close (close/open) Filled | Yes | Yes | Yes | Yes | | |
| **17** | Ring Open/Close (close/open) | Yes | Yes | Yes | Yes | 0-126 = max to min speed, Start closed<br>127-128 = STOP<br>129-255 = min to max speed, Start opened" | |
| **16** | Ring Opening (Closing) Filled | Yes | Yes | Yes | Yes | | |
| **15** | Ring Opening (Closing) | Yes | Yes | Yes | Yes | 0-126 = max to min speed, Closing effect<br>127-128 = STOP<br>129-255 = min to max speed, Opening effect | 0-9 → continuous<br>10-255 → random distribution of flash from 2 to 20 fixtures" |
| **14** | Ring 1 + 4 | No | No | Yes | | | |
| **13** | Ring 1 + 3 | No | Yes | Yes | | | |
| **12** | Ring 1 + 2 | Yes | Yes | Yes | | | |
| **11** | Ring 4 | No | No | Yes | | | |
| **10** | Ring 3 | No | Yes | Yes | | | |
| **9** | Ring 2 | Yes | Yes | Yes | | | |
| **8** | Ring 1 | Yes | Yes | Yes | N.a. | N.a. | N.a. |
| **0-7** | Macro OFF | Yes | Yes | Yes | N.a. | N.a. | N.a. |

*1: Random colors activation with foreground R,G,B,W = 0

*Continue* →

**Macro Off**
DMX channel value: from 0 to 7.
No shape effects activated. Turns off any previously selected shape.

---

**Static Rings**
DMX channel value: from 8 to 14.
The ring or rings used by the macro are turned on with the foreground colour (Shape Red+Shape Green+Shape blue+Shape White).
Avaliable combinations: Ring 1 On, Ring 2 On, Ring 3 On (Aleda K10, K20 only), Ring 4 On (Aleda K20 only),Ring 1+2 On,
Ring 1+3 On (Aleda K10, K20 only), Ring 1+4 On (Aleda K20 only).
Dynamic Rings
DMX channel

---

**Dynamic Rings**
DMX channel value: From 15 to 18.
The rings used by the macro are turned on sequentially, simulating an opening , closing or both.
The Shape Speed channel increases the speed from 126 (min speed) to 0 (max speed) for the closing and closing/opening effects and from 129 (min speed) to 255 (max speed) for the opening and opening/closing effects. With DMX value = 127 or 128 the macro stays still.
The Shape Offset channel defines the macro effect distribution over a number of fixtures (affects also the behavior of a single fixture)
Dmx values from 0 to 9: continous distribution;
Dmx values from 10 to 255 random distribution of flash from 2 to 20 fixtures.
If foreground colors are all set to 0, the Random-Colors mode is activated.
The color used by the macro changes at every restart.

---

**Rings with variable radius**
DMX channel value: 19 - 20.
The Shape Speed channel defines the ring radius: 0 = min, 255 = max.
Random pixels
DMX

---

**Random pixels**
DMX channel value: 21 – 22.
Leds are turned on and off randomly.
The Shape Speed channel increases the speed and defines the fade effect for the leds: from 126 (min speed) to 0(max speed) with a Instant-on/ fade-out led effect, and from 129 (min speed) to 255 (max speed)with a fade-in + fade-out led effect. At a DMX value of 127 and 128 the macro stays still.
For macro 21 the Shape Offset channel defines leds random distribution from 0 (2 fixtures) to 255 over a set of fixtures (20 fixtures).
For macro 22 the Shape Offset channel defines pixels density from 0 (min density) to 255 (max density).
If foreground colors are all set to 0 the Random-Colors mode is activated.
The Shape Smoothing channel adjusts the fading effect applied to the macro movement

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**Rainbows**
DMX channel value: 23 – 24 .
It simulates a rainbow effect.
The Shape Speed channel increases the speed and defines the rotation : from 126 (min speed) to 0 (max speed) counter clock wise rotation and from 129 (min speed) to 255 (max speed) clock wise rotation. With DMX value 127 or 128 the macro stays still.
For the macro 24 (Rainbow with fixed speed) the Shape Speed channel also defines angle offset (the orange sector starting angle).

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**Rotating shapes**
DMX channel value: from 25 to 31.
Shapes avaliable: Fan (3 arms), Bar (2 arms), Half Moon, Triangle, Two rotating bars of different colors, Two rotating arcs of different colors, Two rotating arcs of different colors and direction.
The Shape Speed channel increases the speed and defines the rotation : from 126 (min speed) to 0 (max speed) counter clock wise rotation and from 129 (min speed) to 255 (max speed) clock wise rotation. With DMX value 127 or 128 the macro stays still.
The Shape Offset channel defines the angle offset from 0 (0 degree) to 255 (360 degree).

**• ZOOM**

| BIT | EFFECT |
|---|---|
| 255 | WIDE BEAM |
| 0 | NARROW BEAM |

0-255 Bit: 0.68 sec (K20)
0-255 Bit: 0.69 sec (K10)

**• SHAPE R G B W**

| BIT | EFFECT |
|---|---|
| 255 | COLOUR INSERTED |
| 0 | COLOUR EXCLUDED |

**• SHAPE INTENSITY**

| BIT | EFFECT |
|---|---|
| 255 | COLOUR INSERTED |
| 0 | COLOUR EXCLUDED |

**• BACKGROUND INTENSITY**

| BIT | EFFECT |
|---|---|
| 255 | COLOUR INSERTED |
| 0 | COLOUR EXCLUDED |

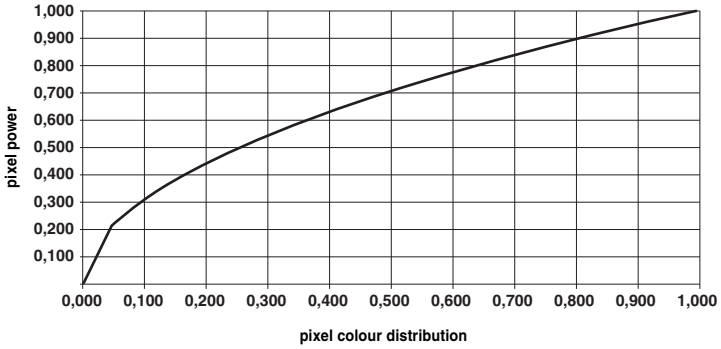
**• SHAPE SMOOTHING**

| BIT | EFFECT |
|---|---|
| 246-255 | Smooth, fading curve with automatic gamma * |
| 245 | Smooth, fading curve gamma 2 |
| 244 | Smooth, fading curve gamma 1,993 |
| 243 | Smooth, fading curve gamma 1,986 |
| 18 | Smooth, fading curve gamma 0,513 |
| 17 | Smooth, fading curve gamma 0,506 |
| 16 | Smooth, fading curve gamma 0,5 |
| 0-15 | Snap |

* Automatic gamma is calculated based on background intensity to auto-adapt the shape's fade.

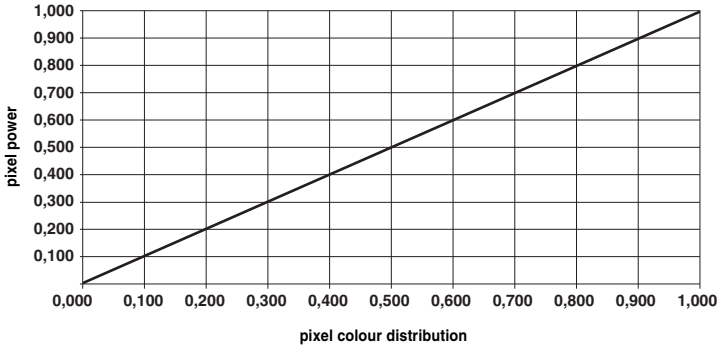
DMX BIT 16 — Fading gamma 0,500

**Gamma Curve**



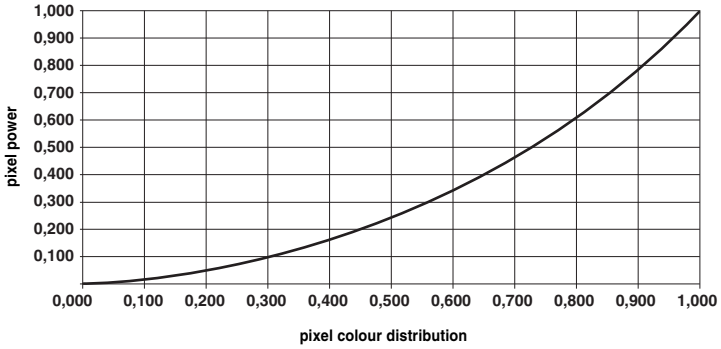

DMX BIT 92 — Fading gamma 0,997

**Gamma Curve**




DMX BIT 245 — Fading gamma 2,000

**Gamma Curve**




*Continue* ➔

**• SHAPE TRANSITION**

| BIT | FADING TIME |
|---|---|
| 255 | 4000 ms |
| 254 | 3970 ms |
| 253 | 3950 ms |
| 252 | 3920 ms |
| 251 | 3890 ms |
| 250 | 3860 ms |
| 249 | 3840 ms |
| 248 | 3810 ms |
| 247 | 3780 ms |
| 246 | 3760 ms |
| 245 | 3730 ms |
| 244 | 3700 ms |
| 243 | 3680 ms |
| 242 | 3650 ms |
| 241 | 3630 ms |
| 240 | 3600 ms |
| 239 | 3570 ms |
| 238 | 3550 ms |
| 237 | 3520 ms |
| 236 | 3500 ms |
| 235 | 3470 ms |
| 234 | 3440 ms |
| 233 | 3420 ms |
| 232 | 3390 ms |
| 231 | 3370 ms |
| 230 | 3340 ms |
| 229 | 3320 ms |
| 228 | 3290 ms |
| 227 | 3270 ms |
| 226 | 3240 ms |
| 225 | 3220 ms |
| 224 | 3190 ms |
| 223 | 3170 ms |
| 222 | 3140 ms |
| 221 | 3120 ms |
| 220 | 3100 ms |
| 219 | 3070 ms |
| 218 | 3050 ms |
| 217 | 3020 ms |
| 216 | 3000 ms |
| 215 | 2970 ms |
| 214 | 2950 ms |
| 213 | 2930 ms |
| 212 | 2900 ms |
| 211 | 2880 ms |
| 210 | 2860 ms |
| 209 | 2830 ms |
| 208 | 2810 ms |
| 207 | 2790 ms |
| 206 | 2760 ms |
| 205 | 2740 ms |
| 204 | 2720 ms |
| 203 | 2690 ms |
| 202 | 2670 ms |
| 201 | 2650 ms |
| 200 | 2620 ms |

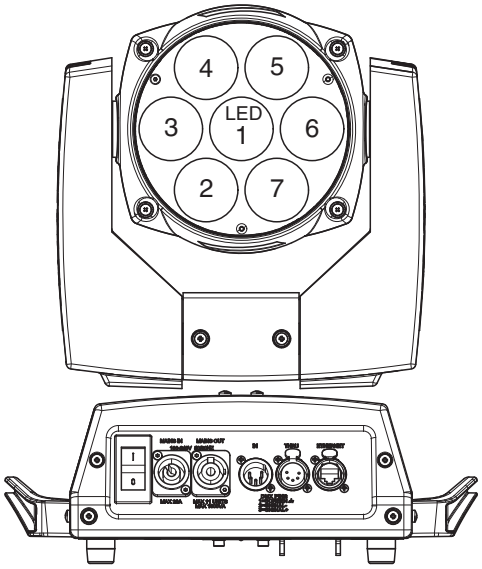
| BIT | FADING TIME |
|---|---|
| 199 | 2600 ms |
| 198 | 2580 ms |
| 197 | 2560 ms |
| 196 | 2530 ms |
| 195 | 2510 ms |
| 194 | 2490 ms |
| 193 | 2470 ms |
| 192 | 2450 ms |
| 191 | 2420 ms |
| 190 | 2400 ms |
| 189 | 2380 ms |
| 188 | 2360 ms |
| 187 | 2340 ms |
| 186 | 2320 ms |
| 185 | 2290 ms |
| 184 | 2270 ms |
| 183 | 2250 ms |
| 182 | 2230 ms |
| 181 | 2210 ms |
| 180 | 2190 ms |
| 179 | 2170 ms |
| 178 | 2150 ms |
| 177 | 2130 ms |
| 176 | 2110 ms |
| 175 | 2090 ms |
| 174 | 2070 ms |
| 173 | 2050 ms |
| 172 | 2020 ms |
| 171 | 2000 ms |
| 170 | 1980 ms |
| 169 | 1960 ms |
| 168 | 1950 ms |
| 167 | 1930 ms |
| 166 | 1910 ms |
| 165 | 1890 ms |
| 164 | 1870 ms |
| 163 | 1850 ms |
| 162 | 1830 ms |
| 161 | 1810 ms |
| 160 | 1790 ms |
| 159 | 1770 ms |
| 158 | 1750 ms |
| 157 | 1730 ms |
| 156 | 1710 ms |
| 155 | 1700 ms |
| 154 | 1680 ms |
| 153 | 1660 ms |
| 152 | 1640 ms |
| 151 | 1620 ms |
| 150 | 1600 ms |
| 149 | 1590 ms |
| 148 | 1570 ms |
| 147 | 1550 ms |
| 146 | 1530 ms |
| 145 | 1510 ms |
| 144 | 1500 ms |

| BIT | FADING TIME |
|---|---|
| 143 | 1480 ms |
| 142 | 1460 ms |
| 141 | 1440 ms |
| 140 | 1430 ms |
| 139 | 1410 ms |
| 138 | 1390 ms |
| 137 | 1380 ms |
| 136 | 1360 ms |
| 135 | 1340 ms |
| 134 | 1330 ms |
| 133 | 1310 ms |
| 132 | 1290 ms |
| 131 | 1280 ms |
| 130 | 1260 ms |
| 129 | 1240 ms |
| 128 | 1230 ms |
| 127 | 1210 ms |
| 126 | 1200 ms |
| 125 | 1180 ms |
| 124 | 1160 ms |
| 123 | 1150 ms |
| 122 | 1130 ms |
| 121 | 1120 ms |
| 120 | 1100 ms |
| 119 | 1090 ms |
| 118 | 1070 ms |
| 117 | 1060 ms |
| 116 | 1040 ms |
| 115 | 1030 ms |
| 114 | 1010 ms |
| 113 | 1000 ms |
| 112 | 980 ms |
| 111 | 970 ms |
| 110 | 950 ms |
| 109 | 940 ms |
| 108 | 930 ms |
| 107 | 910 ms |
| 106 | 900 ms |
| 105 | 880 ms |
| 104 | 870 ms |
| 103 | 860 ms |
| 102 | 840 ms |
| 101 | 830 ms |
| 100 | 820 ms |
| 99 | 800 ms |
| 98 | 790 ms |
| 97 | 780 ms |
| 96 | 770 ms |
| 95 | 750 ms |
| 94 | 740 ms |
| 93 | 730 ms |
| 92 | 710 ms |
| 91 | 700 ms |
| 90 | 690 ms |
| 89 | 680 ms |
| 88 | 670 ms |

| BIT | FADING TIME |
|---|---|
| 87 | 650 ms |
| 86 | 640 ms |
| 85 | 630 ms |
| 84 | 620 ms |
| 83 | 610 ms |
| 82 | 600 ms |
| 81 | 590 ms |
| 80 | 570 ms |
| 79 | 560 ms |
| 78 | 550 ms |
| 77 | 540 ms |
| 76 | 530 ms |
| 75 | 520 ms |
| 74 | 510 ms |
| 73 | 500 ms |
| 72 | 490 ms |
| 71 | 480 ms |
| 70 | 470 ms |
| 69 | 460 ms |
| 68 | 450 ms |
| 67 | 440 ms |
| 66 | 430 ms |
| 65 | 420 ms |
| 64 | 410 ms |
| 63 | 400 ms |
| 62 | 390 ms |
| 60-61 | 380 ms |
| 59 | 370 ms |
| 58 | 360 ms |
| 57 | 350 ms |
| 56 | 340 ms |
| 54-55 | 330 ms |
| 53 | 320 ms |
| 52 | 310 ms |
| 51 | 300 ms |
| 49-50 | 290 ms |
| 48 | 280 ms |
| 47 | 270 ms |
| 45-46 | 260 ms |
| 44 | 250 ms |
| 42-43 | 240 ms |
| 41 | 230 ms |
| 39-40 | 220 ms |
| 37-38 | 210 ms |
| 35-36 | 200 ms |
| 34 | 190 ms |
| 32-33 | 180 ms |
| 30-31 | 170 ms |
| 27-29 | 160 ms |
| 25-26 | 150 ms |
| 22-24 | 140 ms |
| 19-21 | 130 ms |
| 16-18 | 120 ms |
| 11-15 | 110 ms |
| 5-10 | 100 ms |
| 0-4 | No fade |

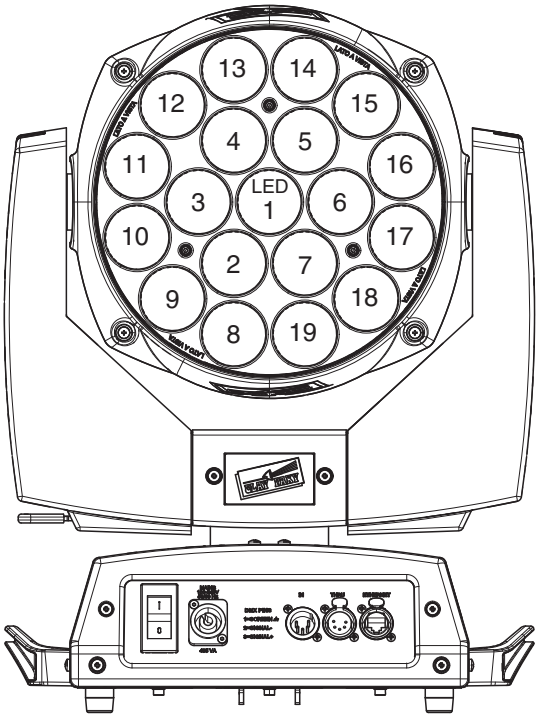
## A.LEDA WASH K5

**LED reference number for pixel mapping**
**TILT: channel 16 at 80%**



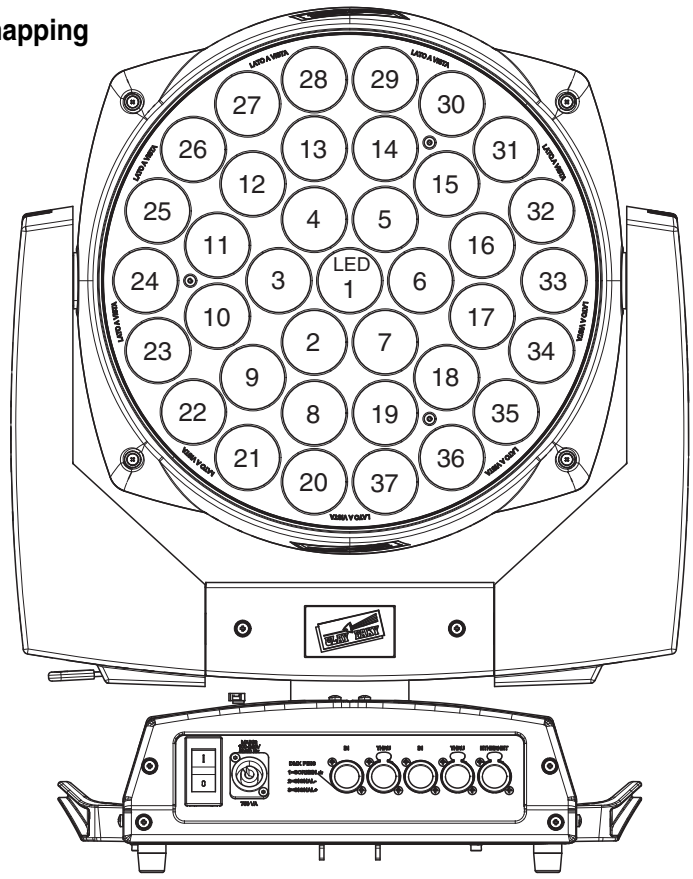

## A.LEDA WASH K10

**LED reference number for pixel mapping**
**TILT: channel 16 at 80%**




## A.LEDA WASH K20

**LED reference number for pixel mapping**
**TILT: channel 16 at 80%**



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